Index to the Journal of the Association for Computing Machinery

Volumes 1-10 (1954–1963)

Index to the Journal of the Association for Computing Machinery

Volumes 1-10 (1954–1963)

Compiled by W. W. YOUDEN

National Bureau of Standards, Washington, D.C.

The Index is presented in three sections:

I. Bibliography

II. Keyword Index

III. Author Index

Key to Reference Location: JACM stands for *Journal of the Association for Computing Machinery*. The first two digits following JACM indicate the year of publication; the third digit stands for the issue number, with 1 through 4 indicating January, April, July, October, respectively. The remaining digits indicate the number of the first page of the paper.

The Author Index is arranged alphabetically according to each author's last name. For papers by multiple authors, each author's name appears in the index in alphabetical order; however, the fact that an author's name appears followed by the title of an article does not mean that he is necessarily the only author of that article; he may be one of two or more authors of the paper whose title follows his name. In other words, the Author Index does not show multiple authors in any single listing.

This index was produced on a 7090 computer using as input punched cards with a format similar to that in the Bibliography section.

Journal of the Association for Computing Machinery, Vol. 10, No. 4 (October, 1963), pp. 583–646

BIBLIOGRAPHY

JACM541 1 THE ASSOCIATION FOR COMPUTING MACHINERY • S. B. WILLIAMS
JACM541 4 THE IBM 701 SPEEDCODING SYSTEM • J. W. BACKUS
JACM541 7 LIFE INSURANCE PREMIUM BILLING AND COMBINED OPERATIONS BY ELECTRONIC EQUIPMENT • R. T. WISEMAN
JACM541 13 THE IBM MAGNETIC DRUM CALCULATOR TYPE 650 • F. E. HAMILTON, E. C. KUBIE
JACM541 21 EQUIPMENT RELIABILITY AS APPLIED TO ANALOGUE COMPUTERS • H. JACOBS JR
JACM541 27 SURVEY OF ANALOG MULTIPLICATION SCHEMES • C. M. EDWARDS
JACM541 36 AUTOMATIC STRAIN-GAGE AND THERMOCOUPLE RECORDING ON PUNCHED CARDS • RICHMOND PERLEY
JACM541 47 OFFICE OF NAVAL RESEARCH DCN VOL 6 NO 1 JAN 54
JACM542 57 SYSTEM SPECIFICATIONS FOR THE DYSEAC • ALAN L. LEINER
JACM542 82 PROBLEMS IN ACCEPTANCE TESTING OF DIGITAL COMPUTERS • PAUL BROCK, SYBIL ROCK
JACM542 88 THE GENERATION OF PSEUDO-RANDOM NUMBERS ON A DECIMAL CALCULATOR • JACK MOSHMAN
JACM542 93 OFFICE OF NAVAL RESEARCH DCN VOL 6 NO 2 APR 54
JACM543 101 A METHOD OF SOLVING BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS ON PUNCH CARD MACHINES • STEFAN BERGMAN
JACM543 105 A METHOD OF DETERMINING PLATE BENDING BY USE OF A PUNCHED-CARD MACHINE • A. D. WASEL
JACM543 111 NUMERICAL TREATMENT OF A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION • STEPHEN H. CRANDALL
JACM543 119 ON SINGLE VS. TRIPLE ADDRESS COMPUTING MACHINES • CALVIN C. ELGOT
JACM543 124 RUNNING A COMPUTER EFFICIENTLY • C. C. GOTLIEB
JACM543 128 AN ELECTRONIC DIFFERENTIAL ANALYZER AS A DIFFERENCE ANALYZER • LOUIS B. WADEL
JACM543 139 OFFICE OF NAVAL RESEARCH DCN VOL 6 NO 3 JUL 54
JACM544 149 THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR BUSINESS • C. J. BASHE, W. BUCHHOLZ, N. ROCHESTER
JACM544 170 CALCULATION OF GENERALIZED HYPERGEOMETRIC SERIES • SUSIE E. ATTA, WARD C. SANGREN
JACM544 173 PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM DATA PROCESSING MACHINE • GEORGE F. TREXLER
JACM544 177 ON THE DEMONSTRATION OF HIGH-SPEED DIGITAL COMPUTERS • WALTER F. BAUER, JOHN W. CARR III
JACM544 183 A MULTIPLE PURPOSE ORTHONORMALIZING CODE AND ITS USES • PHILIP DAVIS, PHILIP RABINOWITZ
JACM544 193 OFFICE OF NAVAL RESEARCH DCN VOL 6 NO 4 OCT 54
JACM551 1 SOME PROGRAMMING TECHNIQUES FOR THE ERMETH • HEINZ RUTISHAUSER
JACM551 5 PROPAGATION OF TRUNCATION ERRORS IN THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS BY REPEATED CLOSURES • H. J. GRAY JR
JACM551 18 A GENERAL CARD-PROGRAM FOR THE EVALUATION OF THE INVERSE LAPLACE TRANSFORM • C. K. TITUS
JACM551 28 ANALOGUE STUDY OF ELECTRON TRAJECTORIES • BENJAMIN F. LOGAN, GEORGE R. WELTI, GEORGE C. SPONSLER
JACM551 42 IMPLICIT VS. EXPLICIT RECURRENCE FORMULAS FOR THE LINEAR DIFFUSION EQUATION • STEPHEN H. CRANDALL
JACM551 53 OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 1 JAN 55
JACM552 61 MECHANISMS AND ROBOTS • F. J. MURRAY
JACM552 83 ANALOG INTERPOLATOR FOR AUTOMATIC CONTROL • GEORGE J. MOSHOS
JACM552 92 TESTING OF OPERATIONAL AMPLIFIERS • HOWARD HAMER, JEROME D. KENNEDY
JACM552 95 MAINTENANCE AND ACCEPTANCE TESTS USED ON THE MIDAC • EDWARD P. GRANEY
JACM552 99 REDUCTION OF RUNS IN MULTIPARAMETER COMPUTATIONS • HERSCHEL WEIL
JACM552 111 SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC (SEE ALSO ERRATUM IN JACM561 43) • HARVEY COHN
JACM552 119 OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 2 APR 55
JACM553 137 ORDVAC SOLUTIONS OF THE DIRICHLET PROBLEM • DAVID M. YOUNG
JACM553 162 ON THE VIBRATION OF A SQUARE CLAMPED PLATE • MILTON ABRAMOWITZ, WILLIAM F. CAHILL
JACM553 169 MEMORY MATRIX USING FERROELECTRIC CONDENSERS AS BISTABLE ELEMENTS • CHARLES F. PULVARI
JACM553 186 DIGITAL COMPUTERS FOR REAL-TIME SIMULATION • MORRIS RUBINOFF
JACM553 205 A SIMPLE DESK-CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATIONS • FRANCES L. PARSONS
JACM553 211 OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 3 JUL 55
JACM554 229 PRECISION MODULATORS AND DEMODULATORS • CARL G. BLANYER
JACM554 243 TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT • J. N. P. HUME, BEATRICE H. WORSLEY

JACM553 205 A SIMPLE DESK-CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATIONS • FRANCES L. PARSONS

JACM553 211 OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 3 JUL 55
JACM554 229 PRECISION MODULATORS AND DEMODULATORS • CARL G. BLANYER
JACM554 243 TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT • J. N. P. HUME, BEATRICE H. WORSLEY
JACM554 253 AUTOMATIC CODING FOR THE IBM 701 • T. P. GORMAN, R. G. KELLY, R. B. REDDY
JACM554 262 ON THE COMPUTATION OF EXPONENTIAL AND HYPERBOLIC FUNCTIONS USING CONTINUED FRACTIONS • NATHANIEL MACON
JACM554 267 CORRELATION COMPUTATION ON ANALOG DEVICES • V. S. HANEMAN, J. W. SENDERS
JACM554 283 OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 4 OCT 55
JACM561 1 PRESIDENTIAL ADDRESS TO THE ACM • ALSTON S. HOUSEHOLDER
JACM561 3 AN OPTIMIZING PROGRAM FOR THE IBM 650 • BARRY GORDON
JACM561 6 A SUBROUTINE FOR COMPUTATIONS WITH RATIONAL NUMBERS • PETER HENRICI
JACM561 10 AUTOMATIC COMPUTATIONS WITH POWER SERIES • PETER HENRICI
JACM561 16 SIMULATION OF DIGITAL FILTERS ON AN ELECTRONIC ANALOG COMPUTER • LOUIS B. WADEL
JACM561 22 A KUTTA THIRD-ORDER PROCEDURE FOR SOLVING DIFFERENTIAL EQUATIONS REQUIRING MINIMUM STORAGE • SAMUEL D. CONTE, R. F. REEVES
JACM561 26 REPORT ON EXPERIMENTS IN APPROXIMATING THE SOLUTION OF A DIFFERENTIAL EQUATION • ROBERT L. YOUNG
JACM561 29 RATES OF CONVERGENCE IN NUMERICAL SOLUTION OF THE DIFFUSION EQUATION • RICHARD H. STARK
JACM561 43 ERRATUM IN 'SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC' (IN JACM552 111)
JACM561 44 OFFICE OF NAVAL RESEARCH DCN VOL 8 NO 1 JAN 56
JACM562 65 EASIAC, A PSEUDO-COMPUTER • ROBERT PERKINS
JACM562 73 CONDITIONAL MONTE CARLO • J. M. HAMMERSLEY
JACM562 77 A NOTE ON MICROPROGRAMMING • HERBERT T. GLANTZ
JACM562 85 BIBLIOGRAPHY ON NUMERICAL ANALYSIS • ALSTON S. HOUSEHOLDER
JACM562 101 WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA • WILLIAM R. HOOVER, JOHN J. WEDEL, JOSEPH R. BRUMAN
JACM562 114 OFFICE OF NAVAL RESEARCH DCN VOL 8 NO 2 APR 56
JACM563 129 THE HIGH-SPEED ELECTRONIC CALCULATING MACHINE OF THE ACADEMY OF SCIENCES OF THE U.S.S.R. • S. A. LEBEDEV
JACM563 134 SORTING ON ELECTRONIC COMPUTER SYSTEMS • EDWARD H. FRIEND
JACM563 169 SORTING BY ADDRESS CALCULATION • E. J. ISAAC, R. C. SINGLETON
JACM563 175 A GENERAL SYSTEM FOR HANDLING ALPHAMERIC INFORMATION ON THE IBM 701 COMPUTER • ROBERT H. BRACKEN, BRUCE G. OLDFIELD
JACM563 181 AN INTEGRATED COMPUTATION SYSTEM FOR THE ERA-1103 • WALTER F. BAUER
JACM563 186 TRANSFER FUNCTION SIMULATION BY MEANS OF AMPLIFIERS AND POTENTIOMETERS • L. E. HEIZER, S. J. ABRAHAM
JACM563 199 ON THE GENERATION OF ERRORS IN THE DIGITAL EVALUATION OF CONTINUED FRACTIONS • NATHANIEL MACON, MARGARET BASKERVILL
JACM563 203 SOME INVERSE CHARACTERISTIC VALUE PROBLEMS • A. C. DOWNING JR, A. S. HOUSEHOLDER
JACM563 208 A NOTE ON THE MIDPOINT METHOD OF INTEGRATION • MARK LOTKIN
JACM563 212 AN EXTENSION OF MILNE'S THREE-POINT METHOD • GLENN H. KEITEL
JACM563 223 AN ITERATIVE PROCEDURE FOR THE CALCULATION OF THE EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX • RICHARD ELTON VON HOLDT
JACM563 245 OFFICE OF NAVAL RESEARCH DCN VOL 8 NO 3 JUL 56
JACM564 266 A DESCRIPTION OF A COOPERATIVE VENTURE IN THE PRODUCTION OF AN AUTOMATIC CODING SYSTEM • WESLEY S. MELAHN
JACM564 272 THE PACT I CODING SYSTEM FOR THE IBM TYPE 701 • CHARLES L. BAKER
JACM564 279 LOGICAL ORGANIZATION OF THE PACT I COMPILER • OWEN R. MOCK
JACM564 288 PRODUCING COMPUTER INSTRUCTIONS FOR THE PACT I COMPILER • ROBERT C. MILLER JR, BRUCE G. OLDFIELD
JACM564 292 PACT LOOP EXPANSION • GUS HEMPSTEAD, JULES I. SCHWARTZ
JACM564 299 SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I • J. I. DERR, R. C. LUKE
JACM564 309 CONCLUSIONS AFTER USING THE PACT I ADVANCED CODING TECHNIQUE • I. D. GREENWALD, H. G. MARTIN
JACM564 314 ON THE CONVERGENCE OF MATRIX ITERATIONS • ALSTON S. HOUSEHOLDER

JACM564 325 HIGHER ORDER DIFFERENCES IN THE ANALOGUE SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS • MICHAEL E. FISHER
JACM564 348 PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS • J. H. BROWN, JOHN W. CARR III, BOYD LARROWE, J. R. MCREYNOLDS
JACM564 355 THE DIGITAL APPROXIMATION OF CONTOURS (SEE ALSO REMARKS IN JACM574 524) • ROBERT M. MASON
JACM564 360 ARITHMETICAL ANALYSIS OF DIGITAL COMPUTING NETS • RICHARD C. JEFFREY
JACM564 383 OFFICE OF NAVAL RESEARCH OCN VOL 8 NO 4 OCT 56
JACM571 1 RETIRING PRESIDENTIAL ADDRESS • ALSTON S. HOUSEHOLDER
JACM571 5 INAUGURAL PRESIDENTIAL ADDRESS • JOHN W. CARR III
JACM571 8 PACT IA • T. B. STEEL JR
JACM571 12 A SYSTEM FOR GENERAL-PURPOSE ANALOG-DIGITAL COMPUTATION • WALTER F. BAUER, GEORGE P. WEST
JACM571 18 A STABLE IMPLICIT FINITE DIFFERENCE APPROXIMATION TO A FOURTH ORDER PARABOLIC EQUATION • SAMUEL D. CONTE
JACM571 24 RATIONAL APPROXIMATIONS TO THE EXPONENTIAL FUNCTION • YUDELL L. LUKE
JACM571 30 CHEBYSHEV APPROXIMATION OF A CONTINUOUS FUNCTION BY A CLASS OF FUNCTIONS • ABE SHENITZER
JACM571 36 EFFECT OF PROPAGATED ERROR ON INVERSE OF HILBERT MATRIX • SUSIE E. ATTA
JACM571 41 SORTING CARDS WITH RESPECT TO A MODULUS • DERRICK H. LEHMER
JACM571 47 THE DESIGN AND USE OF HAZARD-FREE SWITCHING NETWORKS • DAVID A. HUFFMAN
JACM571 63 A VARIANT TO TURING'S THEORY OF COMPUTING MACHINES • HAO WANG
JACM571 97 OFFICE OF NAVAL RESEARCH OCN VOL 9 NO 1 JAN 57
JACM572 121 TEST OF AN INVENTORY CONTROL SYSTEM ON FERUT • J. H. CHUNG, C. C. GOTLIEB
JACM572 131 INFORMATION SEARCHING WITH THE 701 CALCULATOR • R. H. BRACKEN, H. E. TILLITT
JACM572 137 HYDRODYNAMIC PROBLEMS INVOLVING LARGE FLUID DISTORTIONS • FRANCIS H. HARLOW
JACM572 143 DESIGNING COMPUTER CIRCUITS WITH A COMPUTER • GENE H. LEICHNER
JACM572 148 THE DOWN-HILL METHOD OF SOLVING F(Z) = 0 • JAMES A. WARD
JACM572 151 AN AUTOMATIC PROGRAMMING ROUTINE FOR THE ELLIOTT 401 • F. YATES, S. LIPTON
JACM572 157 MICRO-PROGRAMMING • ROBERT J. MERCER
JACM572 172 MACHINE FEATURES FOR A MORE AUTOMATIC MONITORING SYSTEM ON DIGITAL COMPUTERS • CHARLES J. SWIFT
JACM572 174 EXPERIMENTS IN CHESS • J. KISTER, P. STEIN, S. ULAM, W. WALDEN, M. WELLS
JACM572 178 ON THE RECOGNITION OF INFORMATION WITH A DIGITAL COMPUTER • HERBERT T. GLANTZ
JACM572 189 BURROUGHS TRUTH FUNCTION EVALUATOR • WILLIAM MIEHLE
JACM572 193 THE LOGIC OF AUTOMATA, PART I • ARTHUR W. BURKS, HAO WANG
JACM572 225 OFFICE OF NAVAL RESEARCH OCN VOL 9 NO 2 APR 57
JACM573 245 ACCOUNT IDENTIFICATION FOR AUTOMATIC DATA PROCESSING • ANTHONY G. OETTINGER
JACM573 254 STANDARDIZED PROGRAMMING METHODS AND UNIVERSAL CODING • SAUL GORN
JACM573 274 TWO PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS COMPUTERS • S. LIPTON
JACM573 279 THE LOGIC OF AUTOMATA, PART II • ARTHUR W. BURKS, HAO WANG
JACM573 298 THE CHARACTERISTIC VALUE-VECTOR PROBLEM • WALLACE GIVENS
JACM573 308 THE METHOD OF REDUCED MATRICES FOR A GENERAL TRANSPORTATION PROBLEM • PAUL S. DWYER, BERNARD A. GALLER
JACM573 314 ON BATEMAN'S METHOD FOR SOLVING LINEAR INTEGRAL EQUATIONS • GENE THOMAS THOMPSON
JACM573 329 A METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION (SEE ALSO ERRATUM IN JACM574 540) • J. H. HALTON, D. C. HANDSCOMB
JACM573 341 ON THE 'BEST' AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM OF LINEAR EQUATIONS • ALLEN A. GOLDSTEIN, NORMAN LEVINE, JAMES B. HERESHOFF
JACM573 348 PSYCHOLOGICAL TESTS AND SELECTION OF COMPUTER PROGRAMMERS • T. C. ROWAN
JACM573 354 SIMULATION TECHNIQUES FOR THE TEST AND EVALUATION OF REAL-TIME COMPUTER PROGRAMS • DAVID R. ISRAEL
JACM573 371 OFFICE OF NAVAL RESEARCH OCN VOL 9 NO 3 JUL 57
JACM574 393 COMPUTATIONS IN THE FIELD OF ENGINEERING CHEMISTRY • THEODORE J. WILLIAMS, R. CURTIS JOHNSON, ARTHUR ROSE
JACM574 420 SYMBOLIC DESIGNATIONS FOR ELECTRICAL CONNECTIONS • A. WEINBERGER, H. LOBERMAN
JACM574 428 FORMAL PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH • H. LOBERMAN, A. WEINBERGER
JACM574 438 SWAC COMPUTATIONS FOR SOME M X N SCHEDULING PROBLEMS • R. T. NELSON, J. R. JACKSON

JACM574 420 SYMBOLIC DESIGNATIONS FOR ELECTRICAL CONNECTIONS • A. WEINBERGER, H. LOBERMAN
JACM574 428 FORMAL PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH • H. LOBERMAN, A. WEINBERGER

JACM574 438 SWAC COMPUTATIONS FOR SOME M X N SCHEDULING PROBLEMS • R. T. NELSON, J. R. JACKSON
JACM574 442 PROGRAMMED MULTIPLICATION ON THE IBM 407 • ROGER L. BOYELL
JACM574 450 ERRORS DUE TO OVERFLOW IN ARITHMETIC OPERATIONS PARTICULARLY AS REGARDS FINAC ELECTRONIC COMPUTER • PAOLO ERCOLI, ROBERTO VACCA
JACM574 456 CONDENSATION AND LOOK-UP PROCEDURES FOR DOUBLE ENTRY TABLES • NATHANIEL MACON
JACM574 459 MAXIMIZING FUNCTIONS OF ROTATIONS, EXPERIMENTS CONCERNING SPEED OF DIAGONALIZATION OF SYMMETRIC MATRICES USING JACOBI'S METHOD • DAVID A. POPE, C. TOMPKINS
JACM574 467 OPTIMUM RECURRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION • STEPHEN H. CRANDALL
JACM574 472 DETERMINATION OF THREE PERCENTILES OF THE OMEGA-SUB-N DISTRIBUTION FUNCTION • BERNARD SHERMAN
JACM574 477 CODES FOR THE CLASSICAL MEMBRANE PROBLEM • C. L. GERBERICH, W. C. SANGREN
JACM574 487 TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES (SEE ALSO REMARKS IN JACM591 111) • ROBERT C. MINNICK
JACM574 505 ON THE COMPUTATION OF THE NUMBER OF SOLUTIONS OF CERTAIN TRINOMIAL CONGRUENCES • EMMA LEHMER, H. S. VANDIVER
JACM574 511 THE UNIVERSAL ELECTRONIC DIGITAL MACHINE (URAL) FOR ENGINEERING RESEARCH • IU. IA. BAZILEVSKII
JACM574 520 CONFERENCE ON MATRIX COMPUTATIONS (ABSTRACTS)
JACM574 524 REMARKS ON 'THE DIGITAL APPROXIMATION OF CONTOURS' (IN JACM564 355)
JACM574 540 ERRATUM IN 'A METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION' (IN JACM573 329)
JACM574 541 OFFICE OF NAVAL RESEARCH DCN VOL 9 NO 4 OCT 57
JACM581 1 LANGUAGE TRANSLATION • A. F. R. BROWN
JACM581 9 SWAC EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING • MARCIA ASCHER, GEORGE E. FORSYTHE
JACM581 22 A CHEBYCHEFF FITTING CRITERION • A. SPITZBART, D. L. SHELL
JACM581 32 ON THE TRUNCATION ERROR OF DISCRETE APPROXIMATIONS TO THE SOLUTIONS OF DIRICHLET PROBLEMS IN A DOMAIN WITH CORNERS • PENTTI LAASONEN
JACM581 39 ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION PROCESS • JOHN W. CARR III
JACM581 45 ON THE NUMERICAL SOLUTION OF CHARACTERISTIC EQUATIONS IN FLUTTER ANALYSIS • J. N. FRANKLIN
JACM581 52 A 'CURVE PLOTTING' ROUTINE FOR THE INVERSE LAPLACE TRANSFORM OF RATIONAL FUNCTIONS • T. R. BASHKOW
JACM581 57 AUTOMATIC PREPARATION OF FLOW CHART LISTINGS • A. E. SCOTT
JACM581 67 SIMPLIFICATION OF A CLASS OF BOOLEAN FUNCTIONS • EDWIN HIRSCHHORN
JACM581 76 A HIGH-SCANNING-RATE STORAGE DEVICE FOR COMPUTER APPLICATIONS • D. M. BAUMANN
JACM581 89 AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION • SERGE J. ZAROODNY, TADEUSZ LESER
JACM581 100 CONFERENCE ON MATRIX COMPUTATIONS (ABSTRACTS)
JACM582 119 EVALUATION OF INTEGRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCULAR FUNCTIONS • LEENDERT DE WITTE, KENNETH P. FOURNIER
JACM582 127 ON SOME ERROR BOUNDS OF GIVENS • ROBERT L. CAUSEY
JACM582 132 A HIGH-SPEED COMPUTER TECHNIQUE FOR THE TRANSPORTATION PROBLEM • JACK B. DENNIS
JACM582 154 FINDING ZEROS OF ARBITRARY FUNCTIONS • WERNER L. FRANK
JACM582 161 A NUMERICAL METHOD OF SOLVING A HEAT FLOW PROBLEM WITH MOVING BOUNDARY • L. W. EHRLICH
JACM582 177 SEQUENTIAL FUNCTIONS • GEORGE N. RANEY
JACM582 181 REALIZATION OF EVENTS BY LOGICAL NETS • IRVING M. COPI, CALVIN C. ELGOT, JESSE B. WRIGHT
JACM583 205 THE APPROXIMATE SOLUTION OF MATRIX PROBLEMS • A. S. HOUSEHOLDER
JACM583 244 A PROPERTY OF SEMI-DEFINITE HERMITIAN MATRICES • GEORGE G. DEN BROEDER JR, HARRY J. SMITH
JACM583 246 ON MODERN MATRIX ITERATION PROCESSES OF BERNOULLI AND GRAEFFE TYPE • F. L. BAUER
JACM583 258 A NOTE ON NUMERICAL SOLUTION OF CERTAIN LINEAR BOUNDARY VALUE PROBLEMS • R. W. COLE
JACM583 261 ON A PERIODIC PROPERTY OF PSEUDO-RANDOM SEQUENCES • EVE BOFINGER, V. J. BOFINGER
JACM583 266 ON THE LENGTH OF THE SMALLEST UNIFORM EXPERIMENT WHICH DISTINGUISHES THE TERMINAL STATES OF A MACHINE • SEYMOUR GINSBURG

587

JACM583 281 METHODS OF SIMULATING A DIFFERENTIAL ANALYZER ON A DIGITAL COMPUTER • F. LESH
JACM583 289 CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP MEASUREMENTS • N. R. GOODMAN, S. KATZ
JACM584 309 COMPUTER PROGRAMMING FOR YOUNG STUDENTS • HARLEY TILLITT
JACM584 319 A DUAL MASTER FILE SYSTEM FOR A TAPE PROCESSING COMPUTER • SHERMAN BLUMENTHAL
JACM584 328 CODING AND CODE COMPRESSION • L. N. KOROLEV
JACM584 331 ON THE INVERSION COMPLEXITY OF A SYSTEM OF FUNCTIONS • A. A. MARKOV
JACM584 335 GENERATED ERROR IN ROTATIONAL TRIDIAGONALIZATION • ALSTON S. HOUSEHOLDER
JACM584 339 UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX • ALSTON S. HOUSEHOLDER
JACM584 343 THE APPLICATION OF SEQUENTIAL ESTIMATION TO COMPUTER SIMULATION AND MONTE CARLO PROCEDURES • JACK MOSHMAN
JACM584 353 ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH • J. CERTAINE
JACM584 357 PROPOSED METHODS FOR THE ANALOG SOLUTION OF FREDHOLM'S INTEGRAL EQUATION • MICHAEL E. FISHER
JACM584 370 ON THE SOLUTION OF POISSON'S DIFFERENCE EQUATION • PENTTI LAASONEN
JACM584 383 A METHOD FOR TRANSPOSING A MATRIX (SEE ALSO LETTER TO THE EDITOR IN JACM592 305) • MARTIN F. BERMAN
JACM584 385 ANALYSIS OF SHIFT REGISTER COUNTERS • FREDERICK H. YOUNG
JACM584 397 AUTHOR INDEX, 1954-1958
JACM591 1 GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA PROCESSING • W. C. MCGEE
JACM591 24 THREE LEVELS OF LINGUISTIC ANALYSIS IN MACHINE TRANSLATION • MICHAEL ZARECHNAK
JACM591 33 TEST ROUTINES BASED ON SYMBOLIC LOGICAL STATEMENTS • RICHARD D. ELDRED
JACM591 37 STABLE PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS • R. W. HAMMING
JACM591 48 ROUND-OFF ERROR IN THE NUMERICAL SOLUTION OF THE HEAT EQUATION • JIM DOUGLAS JR
JACM591 59 THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES • H. H. GOLDSTINE, F. J. MURRAY, J. VON NEUMANN
JACM591 97 SOLUTION OF ALGEBRAIC AND TRANSCENDENTAL EQUATIONS ON AN AUTOMATIC DIGITAL COMPUTER • G. N. LANCE
JACM591 102 ORIGIN AND DEVELOPMENT OF THE CHINESE ABACUS • SHU-T'IEN LI
JACM591 111 REMARKS ON 'TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES' (IN JACM574 487)
JACM592 121 ACM PUBLICATION POLICIES AND PLANS
JACM592 123 THE SHARE 709 SYSTEM, A COOPERATIVE EFFORT • DONALD L. SHELL
JACM592 128 THE SHARE 709 SYSTEM, PROGRAMMING AND MODIFICATION • IRWIN D. GREENWALD, MAUREEN KANE
JACM592 134 THE SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF SYMBOLIC PROGRAMMING • E. M. BOEHM, T. B. STEEL JR
JACM592 141 THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION • VINCENT J. DIGRI, JANE E. KING
JACM592 145 THE SHARE 709 SYSTEM, PROGRAMMED INPUT-OUTPUT BUFFERING • OWEN MOCK, CHARLES J. SWIFT
JACM592 152 THE SHARE 709 SYSTEM, SUPERVISORY CONTROL • HARVEY BRATMAN, IRA V. BOLDT JR
JACM592 156 RADIX EXCHANGE, AN INTERNAL SORTING METHOD FOR DIGITAL COMPUTERS • PAUL HILDEBRANDT, HAROLD ISBITZ
JACM592 164 A NEW METHOD OF CHECKING THE CONSISTENCY OF PRECEDENCE MATRICES • ROSALIND B. MARIMONT
JACM592 172 MEMORY EFFICIENCY • GERTRUD S. JOACHIM
JACM592 176 A PROCEDURE FOR THE DIAGONALIZATION OF NORMAL MATRICES • H. H. GOLDSTINE, L. P. HORWITZ
JACM592 196 STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS • W. E. MILNE, R. R. REYNOLDS
JACM592 204 MONTE CARLO SOLUTIONS OF BOUNDARY VALUE PROBLEMS INVOLVING THE DIFFERENCE ANALOGUE OF AN ELLIPTIC PARTIAL DIFFERENTIAL EQUATION • LOUIS W. EHRLICH
JACM592 219 NUMERICAL QUADRATURE IN MANY DIMENSIONS • DAVID MORRISON
JACM592 223 A NOTE ON THE DOWNHILL METHOD • GEORGE C. CALDWELL
JACM592 226 BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL EQUATION • HAROLD W. MILNES, RENFREY B. POTTS
JACM592 236 A METHOD OF NORMALIZED BLOCK ITERATION • ELIZABETH H. CUTHILL, RICHARD S. VARGA
JACM592 245 A FUNCTIONAL CANONICAL FORM • H. ALLEN CURTIS
JACM592 259 ON THE REDUCTION OF SUPERFLUOUS STATES IN A SEQUENTIAL MACHINE • SEYMOUR GINSBURG
JACM592 283 ON EXPONENTIAL DIGITAL FILTERS • MARVIN BLUM
JACM592 305 LETTER TO THE EDITOR ON 'A METHOD FOR TRANSPOSING A MATRIX' (IN JACM584 383)
JACM593 313 PILOT, A NEW MULTIPLE COMPUTER SYSTEM • A. L. LEINER, W. A. NOTZ, J. L. SMITH, A. WEINBERGER

JACM593 336 STABILITY OF THE REDUCTION OF A MATRIX TO ALMOST TRIANGULAR AND TRIANGULAR FORMS BY ELEMENTARY SIMILARITY TRANSFORMATIONS • J. H. WILKINSON

JACM592 305 LETTER TO THE EDITOR ON 'A METHOD FOR TRANSPOSING A MATRIX' (IN JACM584 383)
JACM593 313 PILOT, A NEW MULTIPLE COMPUTER SYSTEM • A. L. LEINER, W. A. NOTZ, J. L. SMITH, A. WEINBERGER

JACM593 336 STABILITY OF THE REDUCTION OF A MATRIX TO ALMOST TRIANGULAR AND TRIANGULAR FORMS BY ELEMENTARY SIMILARITY TRANSFORMATIONS • J. H. WILKINSON
JACM593 360 NOTE ON THE PRACTICAL COMPUTATION OF PROPER VALUES • C. T. FIKE
JACM593 363 A STABILITY CRITERION FOR NUMERICAL INTEGRATION • HERBERT S. WILF
JACM593 366 GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL COMPUTERS • FERNANDO J. CORBATO, JACK L. URETSKY
JACM593 376 A COMPARISON OF METHODS FOR GENERATING NORMAL DEVIATES ON DIGITAL COMPUTERS • MERVIN E. MULLER
JACM593 384 A FAMILY OF QUADRATURE FORMULAS WHICH ACHIEVE HIGH ACCURACY IN COMPOSITE RULES • A. RALSTON
JACM593 395 AN ALGORITHM FOR THE DETERMINATION OF THE POLYNOMIAL OF BEST MINIMAX APPROXIMATION TO A FUNCTION DEFINED ON A FINITE POINT SET • PHILIP C. CURTIS JR, WERNER L. FRANK
JACM593 405 LOGIC MATRICES AND THE TRUTH FUNCTION PROBLEM • DOUGLAS B. NETHERWOOD
JACM593 415 UNNORMALIZED FLOATING POINT ARITHMETIC • R. L. ASHENHURST, N. METROPOLIS
JACM593 429 ON COMPUTER TRANSCRIPTION OF MANUAL MORSE • CHARLES R. BLAIR
JACM594 459 AMPHISBAENIC SORTING (SEE ALSO LETTERS TO THE EDITOR IN JACM602 187, JACM611 117 AND JACM614 649) • H. NAGLER
JACM594 469 A GENERAL ANALYSIS OF VARIANCE SCHEME APPLICABLE TO A COMPUTER WITH A VERY LARGE MEMORY • JULIUS LIEBLEIN
JACM594 476 A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINEAR EQUATIONS (SEE ALSO CORRIGENDUM IN JACM602 188) • E. J. GAUSS
JACM594 486 ON AN APPLICATION OF DYNAMIC PROGRAMMING TO THE SYNTHESIS OF LOGICAL SYSTEMS • RICHARD BELLMAN, JOHN HOLLAND, ROBERT KALABA
JACM594 494 ON THE SPECTRAL NORMS OF SEVERAL ITERATIVE PROCESSES • J. W. SHELDON
JACM594 506 A METHOD FOR THE SOLUTION OF THE NTH BEST PATH PROBLEM • WALTER HOFFMAN, RICHARD PAVLEY
JACM594 515 NEW FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND • A. R. DIDONATO, A. V. HERSHEY
JACM594 527 EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR • BERT F. GREEN JR, J. E. KEITH SMITH, LAURA KLEM
JACM594 538 MULTIFUNCTIONAL CIRCUITS IN FUNCTIONAL CANONICAL FORM • H. ALLEN CURTIS
JACM601 1 INPUT-OUTPUT BUFFERING AND FORTRAN • DAVID E. FERGUSON
JACM601 10 CHANGING FROM ANALOG TO DIGITAL PROGRAMMING BY DIGITAL TECHNIQUES • MARVIN L. STEIN, JACK ROSE
JACM601 24 SEQUENTIAL MACHINES, AMBIGUITY, AND DYNAMIC PROGRAMMING • RICHARD BELLMAN
JACM601 29 ON THE INCREASE OF CONVERGENCE RATES OF RELAXATION PROCEDURES FOR ELLIPTIC PARTIAL DIFFERENCE EQUATIONS • M. L. JUNCOSA, T. W. MULLIKIN
JACM601 37 BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL EQUATION II • TSE-SUN CHOW, HAROLD WILLIS MILNES
JACM601 46 STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS, PART II • W. E. MILNE, R. R. REYNOLDS
JACM601 57 A GENERALIZATION OF A THEOREM OF CARR ON ERROR BOUNDS FOR RUNGE-KUTTA PROCEDURES • B. A. GALLER, D. P. ROZENBERG
JACM601 61 A NUMERICAL METHOD FOR SOLVING CONTROL DIFFERENTIAL EQUATIONS ON DIGITAL COMPUTERS • W. H. ANDERSON, R. B. BALL, J. R. VOSS
JACM601 69 TRUNCATION ERROR IN THE GRAEFFE ROOT-SQUARING METHOD • GERARD P. WEEG
JACM601 72 SERIAL CORRELATION IN THE GENERATION OF PSEUDO-RANDOM NUMBERS • R. R. COVEYOU
JACM601 75 A NEW PSEUDO-RANDOM NUMBER GENERATOR • A. ROTENBERG
JACM601 78 FOOTNOTE TO 'THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES' • H. H. GOLDSTINE
JACM602 87 A FORTRAN-COMPILED LIST-PROCESSING LANGUAGE • H. GELERNTER, J. R. HANSEN, C. L. GERBERICH
JACM602 102 A MECHANICAL PROOF PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC COMPUTER • DAG PRAWITZ, HAKAN PRAWITZ, NERI VOGHERA
JACM602 129 FLOATING-POINT ARITHMETICS • W. G. WADEY
JACM602 140 A NEW METHOD FOR THE PAYMENT OF BILLS AND THE TRANSFER OF CREDIT • GERARD SALTON
JACM602 150 METHODS FOR FITTING RATIONAL APPROXIMATIONS, PART I, TELESCOPING PROCEDURES FOR CONTINUED FRACTIONS • HANS J. MAEHLY

JACM602 163 A NECESSARY AND SUFFICIENT CONDITION FOR STABILITY OF PARTIAL DIFFERENCE EQUATION PROBLEMS • ROBIN E. ESCH
JACM602 176 A STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR-CORRECTOR METHOD • R. ALONSO
JACM602 181 A MODIFICATION OF FILON'S METHOD OF NUMERICAL INTEGRATION • E. A. FLINN
JACM602 185 REMARKS ON THE UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX • DAVID D. MORRISON
JACM602 187 LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' (IN JACM594 459)
JACM602 188 CORRIGENDUM TO 'A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINEAR EQUATIONS' (IN JACM594 476)
JACM603 201 A COMPUTING PROCEDURE FOR QUANTIFICATION THEORY • MARTIN DAVIS, HILARY PUTNAM
JACM603 216 ON RELEVANCE, PROBABILISTIC INDEXING AND INFORMATION RETRIEVAL • M. E. MARON, J. L. KUHNS
JACM603 245 COMPUTATION OF THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABLES • WALTER F. FREIBERGER, RICHARD H. JONES
JACM603 251 ANALYSIS OF NETS BY NUMERICAL METHODS • ARTHUR GILL
JACM603 255 ON THE CONSISTENCY OF PRECEDENCE MATRICES • FRANK HARARY
JACM603 260 ON STURM SEQUENCES FOR TRIDIAGONAL MATRICES • J. M. ORTEGA
JACM603 264 ON AN ALTERNATING DIRECTION METHOD FOR SOLVING THE PLATE PROBLEM WITH MIXED BOUNDARY CONDITIONS • SAMUEL D. CONTE, RALPH T. DAMES
JACM603 274 SOLUTION OF LINEAR SYSTEMS BY RICHARDSON'S METHOD • WERNER L. FRANK
JACM603 287 SYNTHESIS OF BINARY RING COUNTERS OF GIVEN PERIODS • G. B. FITZPATRICK
JACM604 299 COMPUTATIONAL AIDS FOR DETERMINING THE MINIMAL FORM OF A TRUTH FUNCTION • RONALD PRATHER
JACM604 311 CONNECTIVE PROPERTIES PRESERVED IN MINIMAL STATE MACHINES • SEYMOUR GINSBURG
JACM604 326 INTEGER PROGRAMMING FORMULATION OF TRAVELING SALESMAN PROBLEMS • C. E. MILLER, A. W. TUCKER, R. A. ZEMLIN
JACM604 330 TECHNIQUES FOR ENUMERATING VEBLEN-WEDDERBURN SYSTEMS • ERWIN KLEINFELD
JACM604 338 ON PRE-CONDITIONING OF MATRICES • E. E. OSBORNE
JACM604 346 RESULTANT PROCEDURE AND THE MECHANIZATION OF THE GRAEFFE PROCESS • ERWIN H. BAREISS
JACM604 387 A NOTE ON A METHOD OF COMPUTING THE GAMMA FUNCTION • N. L. GORDON, A. H. FLASTERSTEIN
JACM604 389 COMPUTER TIME FOR ADDRESS CALCULATION SORTING • IVAN FLORES
JACM611 1 FINITE AUTOMATA, PATTERN RECOGNITION AND PERCEPTRONS • HERBERT B. KELLER
JACM611 21 RECURSIVE COMPUTATION OF CERTAIN INTEGRALS • WALTER GAUTSCHI
JACM611 41 ANALYSIS OF INTERNAL COMPUTER SORTING (SEE ALSO LETTER TO THE EDITOR IN JACM614 649) • IVAN FLORES
JACM611 81 SETS OF TAPES ACCEPTED BY DIFFERENT TYPES OF AUTOMATA • SEYMOUR GINSBURG
JACM611 87 THE USE OF INDEX CALCULUS AND MERSENNE PRIMES FOR THE DESIGN OF A HIGH-SPEED DIGITAL MULTIPLIER • AVIEZRI S. FRAENKEL
JACM611 97 A SYSTEM FOR GENERATING 'PRONOUNCEABLE' NAMES USING A COMPUTER • A. L. LEINER, W. W. YOUDEN
JACM611 104 COMPUTER GENERATION OF OPTIMIZED SUBROUTINES (SEE ALSO LETTER TO THE EDITOR IN JACM614 648) • HARRY H. DENMAN
JACM611 117 LETTERS TO THE EDITOR ON 'AMPHISBAENIC SORTING' (IN JACM594 459) (SEE ALSO LETTER TO THE EDITOR IN JACM614 649)
JACM612 119 MINIMIZING DRUM LATENCY TIME • DONALD E. KNUTH
JACM612 151 A MACHINE METHOD FOR SOLVING POLYNOMIAL EQUATIONS • D. H. LEHMER
JACM612 163 NOTES ON A NEW PSEUDO-RANDOM NUMBER GENERATOR • MARTIN GREENBERGER
JACM612 168 SYSTEM HANDLING OF FUNCTIONAL OPERATORS • LIONELLO LOMBARDI
JACM612 186 TWO-DIMENSIONAL PARITY CHECKING • PETER CALINGAERT
JACM612 201 COMPUTER-FEASIBLE METHOD FOR HANDLING INCOMPLETE DATA IN REGRESSION ANALYSIS • JOHN E. WALSH
JACM612 212 'DIRECT SEARCH' SOLUTION OF NUMERICAL AND STATISTICAL PROBLEMS • ROBERT HOOKE, T. A. JEEVES
JACM612 230 AN INVESTIGATION OF REAL-TIME SOLUTION OF THE TRANSPORTATION PROBLEM • R. TOTSCHEK, R. C. WOOD
JACM612 240 THE PROSPECTS FOR THE UTILIZATION OF INFORMATIONAL-LOGICAL MACHINES IN CHEMISTRY (USSR) • L. I. GUTENMAKHER, G. E. VLEDUTS
JACM612 252 GENERALIZED SIMULATION OF POST OFFICE SYSTEMS • R. C. BRIGHAM, P. D. BURGESS
JACM612 260 THE DESIGN AND SIMULATION OF AN INFORMATION PROCESSING SYSTEM • HERBERT M. GURK, JACK MINKER

JACM612 230 AN INVESTIGATION OF REAL-TIME SOLUTION OF THE TRANSPORTATION PROBLEM • R. TOTSCHEK, R. C. WOOD
JACM612 240 THE PROSPECTS FOR THE UTILIZATION OF INFORMATIONAL-LOGICAL MACHINES IN CHEMISTRY (USSR) • L. I. GUTENMAKHER, G. E. VLEDUTS
JACM612 252 GENERALIZED SIMULATION OF POST OFFICE SYSTEMS • R. C. BRIGHAM, P. D. BURGESS
JACM612 260 THE DESIGN AND SIMULATION OF AN INFORMATION PROCESSING SYSTEM • HERBERT M. GURK, JACK MINKER
JACM612 271 THE ASSOCIATION FACTOR IN INFORMATION RETRIEVAL • H. EDMUND STILES
JACM613 281 ERROR ANALYSIS OF DIRECT METHODS OF MATRIX INVERSION • J. H. WILKINSON
JACM613 331 A MODIFIED GIVENS METHOD FOR THE EIGENVALUE EVALUATION OF LARGE MATRICES • DONALD E. JOHANSEN
JACM613 336 NUMERICAL SOLUTION OF THE NEUMANN AND MIXED BOUNDARY VALUE PROBLEMS BY BOUNDARY CONTRACTION • TSE-SUN CHOW, HAROLD WILLIS MILNES
JACM613 359 SOME COMPUTATIONAL RESULTS ON 'TWO-LINE' ITERATIVE METHODS FOR THE BIHARMONIC DIFFERENCE EQUATION • SEYMOUR V. PARTER
JACM613 366 ZEROS OF NONLINEAR FUNCTIONS • R. W. KLOPFENSTEIN
JACM613 374 NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER DIFFERENTIAL EQUATIONS • EDWIN S. CAMPBELL, R. BUEHLER, J. O. HIRSCHFELDER, D. HUGHES
JACM613 384 CATEGORIZING AUTOMATA BY W-MACHINE PROGRAMS • C. Y. LEE
JACM613 400 COMPATIBILITY OF STATES IN INPUT-INDEPENDENT MACHINES • SEYMOUR GINSBURG
JACM613 404 AUTOMATIC INDEXING, AN EXPERIMENTAL INQUIRY • M. E. MARON
JACM613 418 LOCATING THE LARGEST WORD IN A FILE USING A MODIFIED MEMORY • E. J. GAUSS
JACM613 426 SEQUENCING ASPECTS OF MULTIPROGRAMMING • J. HELLER
JACM613 440 DESIGN OF NUMERICAL FILTERS WITH APPLICATIONS TO MISSILE DATA PROCESSING • JOSEPH F. A. ORMSBY
JACM614 467 TURING MACHINES, FINITE AUTOMATA AND NEURAL NETS • MICHAEL ARBIB
JACM614 476 5-SYMBOL 8-STATE AND 5-SYMBOL 6-STATE UNIVERSAL TURING MACHINES • SHIGERU WATANABE
JACM614 484 A GENERALIZED TREE CIRCUIT • H. ALLEN CURTIS
JACM614 497 SOME METHODS FOR SIMPLIFYING SWITCHING CIRCUITS USING 'DONT CARE' CONDITIONS • J. T. CHU
JACM614 513 AN AUTOMATIC SEQUENCING PROCEDURE WITH APPLICATION TO PARALLEL PROGRAMMING • EUGENE S. SCHWARTZ
JACM614 538 A STUDY OF METHODS FOR SYSTEMATICALLY ABBREVIATING ENGLISH WORDS AND NAMES • CHARLES P. BOURNE, DONALD F. FORD
JACM614 553 SEMANTIC ROAD MAPS FOR LITERATURE SEARCHERS • LAUREN B. DOYLE
JACM614 579 A DESCRIPTIVE LANGUAGE FOR SYMBOL MANIPULATION • ROBERT W. FLOYD
JACM614 585 DESIGN OF SEQUENTIAL MACHINES FROM THEIR REGULAR EXPRESSIONS • GENE OTT, NEIL H. FEINSTEIN
JACM614 601 LEAST UPPER BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENTIAL MACHINES • THOMAS N. HIBBARD
JACM614 613 REPRESENTATION OF POWER SERIES IN TERMS OF POLYNOMIALS, RATIONAL APPROXIMATIONS AND CONTINUED FRACTIONS • KURT SPIELBERG
JACM614 628 ON LEAST SQUARES SOLUTIONS OF LINEAR EQUATIONS • E. E. OSBORNE
JACM614 637 AN EVALUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER ORDER DIFFERENTIAL EQUATIONS • CHARLOTTE FROESE
JACM614 645 ASYMPTOTIC BEHAVIOR OF THE BEST POLYNOMIAL APPROXIMATION • E. K. BLUM, P. C. CURTIS JR
JACM614 648 LETTER TO THE EDITOR ON 'COMPUTER GENERATION OF OPTIMIZED SUBROUTINES' (IN JACM611 104)
JACM614 649 LETTER TO THE EDITOR ON 'ANALYSIS OF INTERNAL COMPUTER SORTING' (IN JACM611 41) AND 'AMPHISBAENIC SORTING' (IN JACM594 459)
JACM621 1 A GENERAL TRANSLATION PROGRAM FOR PHRASE STRUCTURE LANGUAGES • R. A. BROOKER, D. MORRIS
JACM621 11 A THEOREM ON BOOLEAN MATRICES • STEPHEN WARSHALL
JACM621 13 SOME COMBINATORIAL PROPERTIES OF CERTAIN TREES WITH APPLICATIONS TO SEARCHING AND SORTING • THOMAS N. HIBBARD
JACM621 29 ALGEBRA OF POLYNOMIALS IN SEVERAL VARIABLES FOR A DIGITAL COMPUTER • LELAND H. WILLIAMS
JACM621 41 ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES (SEE ALSO CORRECTION IN JACM624 522) • G. ESTRIN, C. R. VISWANATHAN
JACM621 61 DYNAMIC PROGRAMMING TREATMENT OF THE TRAVELLING SALESMAN PROBLEM • RICHARD BELLMAN
JACM621 64 FIFTH-ORDER METHODS FOR THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS • W. E. MILNE, R. R. REYNOLDS

JACM621 71 INVERSION OF TRIPLE-DIAGONAL COMPOUND MATRICES • RICHARD E. VON HOLDT
JACM621 84 A TECHNIQUE FOR THE NUMERICAL SOLUTION OF CERTAIN INTEGRAL EQUATIONS OF THE FIRST KIND • DAVID L. PHILLIPS
JACM621 98 OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY DIFFERENTIAL EQUATION • D. MORRISON
JACM621 104 STABILITY OF A GENERALIZED CORRECTOR FORMULA • ROGER L. CRANE, ROBERT J. LAMBERT
JACM621 118 ON QUASICYCLIC JACOBI METHODS • ELDON R. HANSEN
JACM621 136 MATHEMATICAL STRUCTURE OF NONARITHMETIC DATA PROCESSING PROCEDURES • LIONELLO LOMBARDI
JACM622 161 STRUCTURE AND USE OF ALGOL 60 • H. BOTTENBRUCH
JACM622 222 AN ALGORITHM FOR TRANSLATING BOOLEAN EXPRESSIONS • BRUCE W. ARDEN, BERNARD A. GALLER, ROBERT M. GRAHAM
JACM622 240 DIGITAL PATTERN RECOGNITION BY MOMENTS • FRANZ L. ALT
JACM622 259 OPERATIONS USEFUL FOR SIMILARITY-INVARIANT PATTERN RECOGNITION • W. DOYLE
JACM622 268 MAINTAINED ACTIVITY IN NEURAL NETS • D. R. SMITH, C. H. DAVIDSON
JACM622 280 A NOTE ON THE SELF-CONSISTENCY OF DEFINITIONS OF GENERALIZATION AND INDUCTIVE INFERENCE • HENRY P. KRAMER
JACM622 282 A SORTING PROBLEM • R. C. BOSE, R. J. NELSON
JACM623 297 OUTLINE FOR A LOGICAL THEORY OF ADAPTIVE SYSTEMS • JOHN H. HOLLAND
JACM623 315 A DECISION PROCEDURE FOR COMPUTATIONS OF FINITE AUTOMATA • JOYCE FRIEDMAN
JACM623 324 MULTIPLE REDUCTION OF VARIABLE DEPENDENCY OF SEQUENTIAL MACHINES • H. ALLEN CURTIS
JACM623 345 THE STRUCTURE OF AN AUTOMATON AND ITS OPERATION-PRESERVING TRANSFORMATION GROUP • G. P. WEEG
JACM623 350 TWO FAMILIES OF LANGUAGES RELATED TO ALGOL • SEYMOUR GINSBURG, H. GORDON RICE
JACM623 372 OSCILLATING SORT, A NEW SORT MERGING TECHNIQUE • SHELDON SOBEL
JACM623 375 SINGLE FUNCTION SHIFTING COUNTERS • JOHN S. BAILEY, GEORGE EPSTEIN
JACM623 379 A METHOD FOR OBTAINING SPECIFIC VALUES OF COMPILING-PARAMETER FUNCTIONS • JAMES J. PETERKA
JACM623 387 MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER PROGRAMMING • THOMAS A. HOLDIMAN
JACM623 405 CUMULATIVE BINOMIAL PROBABILITIES • SOL WEINTRAUB
JACM624 409 MATRICES ASSOCIATED WITH THE HITCHCOCK PROBLEM • A. L. DULMAGE, N. S. MENDELSOHN
JACM624 419 ON APPROXIMATION METHODS FOR THE ASSIGNMENT PROBLEM • JEROME M. KURTZBERG
JACM624 440 AN ALGORITHM FOR THE NUMERICAL APPLICATION OF A LINEAR OPERATOR • TERENCE G. JONES
JACM624 450 ALTERNATING DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE VARIABLES • JIM DOUGLAS JR, JAMES E. GUNN
JACM624 457 STABILITY PROPERTIES OF PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS • P. E. CHASE
JACM624 469 ISOMORPHISM GROUPS OF AUTOMATA • ARTHUR C. FLECK
JACM624 477 ON THE AMBIGUITY PROBLEM OF BACKUS SYSTEMS • DAVID G. CANTOR
JACM624 480 A TRANSLATOR-ORIENTED SYMBOLIC PROGRAMMING LANGUAGE • A. A. GRAU
JACM624 488 ALGORITHMS FOR PARALLEL-SEARCH MEMORIES • A. D. FALKOFF
JACM624 512 INFORMATION RETRIEVAL BASED ON LATENT CLASS ANALYSIS • FRANK B. BAKER
JACM624 522 CORRECTION AND ADDENDUM TO 'ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES' (IN JACM621 41)
JACM631 1 A SEMI-DECISION PROCEDURE FOR THE FUNCTIONAL CALCULUS • JOYCE FRIEDMAN
JACM631 25 THE NUMBER OF CLASSES OF INVERTIBLE BOOLEAN FUNCTIONS • MICHAEL A. HARRISON
JACM631 29 SOME RECURSIVELY UNSOLVABLE PROBLEMS IN ALGOL-LIKE LANGUAGES • SEYMOUR GINSBURG, GENE F. ROSE
JACM631 48 ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS (SEE ALSO ERRATUM IN JACM632 256) • R. W. HOUSE, T. RADO
JACM631 78 FURTHER RESULTS ON THE STRUCTURE OF SEQUENTIAL MACHINES • J. HARTMANIS
JACM631 89 A METHOD FOR OBTAINING SUBOPTIMAL GROUP-TESTING POLICIES USING DYNAMIC PROGRAMMING AND INFORMATION THEORY • BRIAN GLUSS
JACM631 97 ON THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND BY THE INVERSION OF THE LINEAR SYSTEM PRODUCED BY QUADRATURE • S. TWOMEY
JACM631 102 ON THE DANILEWSKI METHOD • ELDON R. HANSEN
JACM631 110 ON A WEIGHT DISTRIBUTION PROBLEM, WITH APPLICATION TO THE DESIGN OF STOCHASTIC GENERATORS • ARTHUR GILL

JACM632 123 ON THE CODING OF JACOBI'S METHOD FOR COMPUTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES • F. J. CORBATO

JACM631 110 ON A WEIGHT DISTRIBUTION PROBLEM, WITH APPLICATION TO THE DESIGN OF STOCHASTIC GENERATORS • ARTHUR GILL

JACM632 123 ON THE CODING OF JACOBI'S METHOD FOR COMPUTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES • F. J. CORBATO
JACM632 126 FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS (SEE ALSO ERRATUM IN JACM633 412) • G. E. LEE-WHITING
JACM632 131 MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL MACHINES • J. L. ALLARD, A. R. DOBELL, T. E. HULL
JACM632 142 A SIMPLE SORTING ALGORITHM • THOMAS N. HIBBARD
JACM632 151 AUTOMATIC DOCUMENT CLASSIFICATION • HAROLD BORKO, MYRNA BERNICK
JACM632 163 THEOREM-PROVING ON THE COMPUTER • J. A. ROBINSON
JACM632 175 OPERATIONS WHICH PRESERVE DEFINABILITY IN LANGUAGES • SEYMOUR GINSBURG, G. F. ROSE
JACM632 196 DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE MECHANICAL LANGUAGES • SAUL GORN
JACM632 209 A STATE VARIABLE ASSIGNMENT METHOD FOR ASYNCHRONOUS SEQUENTIAL SWITCHING CIRCUITS • C. N. LIU
JACM632 217 COMPUTABILITY OF RECURSIVE FUNCTIONS • J. C. SHEPHERDSON, H. E. STURGIS
JACM632 256 ERRATUM IN 'ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS' (IN JACM631 48)
JACM633 257 METHODS FOR FITTING RATIONAL APPROXIMATIONS, PARTS II AND III • HANS J. MAEHLY
JACM633 278 ECONOMIZATION OF RATIONAL FUNCTIONS • ANTHONY RALSTON
JACM633 283 AN ALGORITHM FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA • CHARLES VALENTINE, PETER VAN DINE
JACM633 291 EFFICIENCY OF PREDICTOR-CORRECTOR PROCEDURES • T. E. HULL, A. L. CREEMER
JACM633 302 MONTE CARLO COMPUTATIONS IN NORMAL CORRELATION PROBLEMS • H. O. HARTLEY, D. L. HARRIS
JACM633 307 ADDRESSING FOR RANDOM-ACCESS STORAGE WITH MULTIPLE BUCKET CAPACITIES • M. TAINITER
JACM633 316 SYNTACTIC ANALYSIS AND OPERATOR PRECEDENCE • ROBERT W. FLOYD
JACM633 334 A COMPUTATIONAL APPROACH TO GRAMMATICAL CODING OF ENGLISH WORDS • SHELDON KLEIN, ROBERT F. SIMMONS
JACM633 348 A COMPUTER PROGRAM FOR A SOLVABLE CASE OF THE DECISION PROBLEM • JOYCE FRIEDMAN
JACM633 357 PROGRAM FOR DOUBLE-DUMMY BRIDGE PROBLEMS, A NEW STRATEGY FOR MECHANICAL GAME PLAYING • ELWYN R. BERLEKAMP
JACM633 365 LATTICE PROPERTIES OF SEQUENTIAL MACHINES • EDWIN H. FARR
JACM633 386 USE OF DECOMPOSITION THEORY IN THE SOLUTION OF THE STATE ASSIGNMENT PROBLEM OF SEQUENTIAL MACHINES • H. ALLEN CURTIS
JACM633 412 ERRATUM IN 'FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS' (IN JACM632 126)
JACM634 413 A DICTIONARY FOR MINIMUM REDUNDANCY ENCODING • EUGENE S. SCHWARTZ
JACM634 440 ASSOCIATIVE DOCUMENT RETRIEVAL TECHNIQUES USING BIBLIOGRAPHIC INFORMATION • GERARD SALTON
JACM634 458 FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL STUDY • R. L. MATTSON, O. FIRSCHEIN
JACM634 478 TAPE SEARCHING TECHNIQUES • R. L. BABER
JACM634 487 QUOTIENTS OF CONTEXT-FREE LANGUAGES • SEYMOUR GINSBURG, EDWIN H. SPANIER
JACM634 493 EXPERIMENTS WITH A HEURISTIC COMPILER • HERBERT A. SIMON
JACM634 507 A HEURISTIC PROGRAM THAT SOLVES SYMBOLIC INTEGRATION PROBLEMS IN FRESHMAN CALCULUS • JAMES R. SLAGLE
JACM634 521 ON THE STRUCTURES OF AN AUTOMATON AND ITS INPUT SEMIGROUP • ROBERT H. OEHMKE
JACM634 526 WORDS IN THE HISTORY OF A TURING MACHINE WITH A FIXED INPUT • MICHAEL O. RABIN, HAO WANG
JACM634 528 FINITE AUTOMATA AND THE SET OF SQUARES • ROBERT W. RITCHIE
JACM634 532 AN ELIMINATION METHOD FOR COMPUTING THE GENERALIZED INVERSE OF AN ARBITRARY COMPLEX MATRIX • A. BEN-ISRAEL, S. J. WERSAN
JACM634 538 ON THE REDUCTION OF NUMBER RANGE IN THE USE OF THE GRAEFFE PROCESS • A. A. GRAU
JACM634 545 A METHOD FOR FINDING ALL THE ZEROS OF F(Z) • ROBERT P. RICH, HARRY SHAW
JACM634 550 NUMERICAL SOLUTION OF SYSTEMS OF NONLINEAR EQUATIONS • FERDINAND FREUDENSTEIN, BERNARD ROTH
JACM634 557 THE WILF STABILITY CRITERION FOR NUMERICAL INTEGRATION • GEORGE EMANUEL
JACM634 562 GENERALIZED TREE CIRCUIT, THE BASIC BUILDING BLOCK OF AN EXTENDED DECOMPOSITION THEORY • H. ALLEN CURTIS
JACM634 583 INDEX TO THE JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY, VOLUMES 1-10, 1954-1963 • W. W. YOUDEN

INDEXING OF THE WORD 'A' HAS BEEN PREVENTED 142 TIMES

ORIGIN AND DEVELOPMENT OF THE CHINESE ABACUS JACM591 102
A STUDY OF METHODS FOR SYSTEMATICALLY ABBREVIATING ENGLISH WORDS AND NAMES JACM614 538
CONFERENCE ON MATRIX COMPUTATIONS (ABSTRACTS) JACM574 520
CONFERENCE ON MATRIX COMPUTATIONS (ABSTRACTS) JACM581 100
THE HIGH-SPEED ELECTRONIC CALCULATING MACHINE OF THE ACADEMY OF SCIENCES OF THE U.S.S.R. JACM563 129
PROBLEMS IN ACCEPTANCE TESTING OF DIGITAL COMPUTERS JACM542 82
MAINTENANCE AND ACCEPTANCE TESTS USED ON THE MIDAC JACM552 95
SETS OF TAPES ACCEPTED BY DIFFERENT TYPES OF AUTOMATA JACM611 81
ADDRESSING FOR RANDOM-ACCESS STORAGE WITH MULTIPLE BUCKET CAPACITIES JACM633 307
ACCOUNT IDENTIFICATION FOR AUTOMATIC DATA PROCESSING JACM573 245
ING MACHINE PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM DATA PROCESS JACM544 173
A FAMILY OF QUADRATURE FORMULAS WHICH ACHIEVE HIGH ACCURACY IN COMPOSITE RULES JACM593 384
A FAMILY OF QUADRATURE FORMULAS WHICH ACHIEVE HIGH ACCURACY IN COMPOSITE RULES JACM593 384
PRESIDENTIAL ADDRESS TO THE ACM JACM561 1
ACM PUBLICATION POLICIES AND PLANS JACM592 121
MAINTAINED ACTIVITY IN NEURAL NETS JACM622 268
A STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR-CORRECTOR METHOD JACM602 176
OUTLINE FOR A LOGICAL THEORY OF ADAPTIVE SYSTEMS JACM623 297
STRUCTURE COMPUTER FOR COMPUTATION/ CORRECTION AND ADDENDUM TO 'ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' JACM624 522
EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR JACM594 527
RETIRING PRESIDENTIAL ADDRESS JACM571 1
INAUGURAL PRESIDENTIAL ADDRESS JACM571 5
SORTING BY ADDRESS CALCULATION JACM563 169
COMPUTER TIME FOR ADDRESS CALCULATION SORTING JACM604 389
TWO PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS COMPUTERS JACM573 274
ON SINGLE VS. TRIPLE ADDRESS COMPUTING MACHINES JACM543 119
PRESIDENTIAL ADDRESS TO THE ACM JACM561 1
BUCKET CAPACITIES ADDRESSING FOR RANDOM-ACCESS STORAGE WITH MULTIPLE JACM633 307
CONCLUSIONS AFTER USING THE PACT I ADVANCED CODING TECHNIQUE JACM564 309
FUNCTION COMPUTATIONAL AIDS FOR DETERMINING THE MINIMAL FORM OF A TRUTH JACM604 299
DIGITAL COMPUTER ALGEBRA OF POLYNOMIALS IN SEVERAL VARIABLES FOR A JACM621 29
C DIGITAL COMPUTER SOLUTION OF ALGEBRAIC AND TRANSCENDENTAL EQUATIONS ON AN AUTOMATI JACM591 97
TWO FAMILIES OF LANGUAGES RELATED TO ALGOL JACM623 350
STRUCTURE AND USE OF ALGOL 60 JACM622 161
SOME RECURSIVELY UNSOLVABLE PROBLEMS IN ALGOL-LIKE LANGUAGES JACM631 29
A SIMPLE SORTING ALGORITHM JACM632 142
DISCRETE DATA AN ALGORITHM FOR MINIMAX POLYNOMIAL CURVE-FITTING OF JACM633 283
BEST MINIMAX APPROXIMATION TO A FUNCTION DEFIN/ AN ALGORITHM FOR THE DETERMINATION OF THE POLYNOMIAL OF JACM593 395
OPERATOR AN ALGORITHM FOR THE NUMERICAL APPLICATION OF A LINEAR JACM624 440
AN ALGORITHM FOR TRANSLATING BOOLEAN EXPRESSIONS JACM622 222
ALGORITHMS FOR PARALLEL-SEARCH MEMORIES JACM624 488
WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL STUDY FEATURE JACM634 458
SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I JACM564 299
A GENERAL SYSTEM FOR HANDLING ALPHAMERIC INFORMATION ON THE IBM 701 COMPUTER JACM563 175
PROBLEM WITH MIXED BOUNDARY CONDITIONS ON AN ALTERNATING DIRECTION METHOD FOR SOLVING THE PLATE JACM603 264
IN M SPACE VARIABLES ALTERNATING DIRECTION METHODS FOR PARABOLIC SYSTEMS JACM624 450

DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE MECHANICAL LANGUAGES JACM632 196
ON THE AMBIGUITY PROBLEM OF BACKUS SYSTEMS JACM626 477

DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE MECHANICAL LANGUAGES JACM632 196
ON THE AMBIGUITY PROBLEM OF BACKUS SYSTEMS JACM624 477
SEQUENTIAL MACHINES, AMBIGUITY, AND DYNAMIC PROGRAMMING JACM601 24
AMPHISBAENIC SORTING JACM594 459
LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM602 187
LETTERS TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM611 117
LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM614 649
TESTING OF OPERATIONAL AMPLIFIERS JACM552 92
TRANSFER FUNCTION SIMULATION BY MEANS OF AMPLIFIERS AND POTENTIOMETERS JACM563 186
INDEXING OF THE WORD 'AN' HAS BEEN PREVENTED 35 TIMES
SIMULATION OF DIGITAL FILTERS ON AN ELECTRONIC ANALOG COMPUTER JACM561 16
CORRELATION COMPUTATION ON ANALOG DEVICES JACM554 267
ANALOG INTERPOLATOR FOR AUTOMATIC CONTROL JACM552 83
AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION JACM581 89
SURVEY OF ANALOG MULTIPLICATION SCHEMES JACM541 27
PROPOSED METHODS FOR THE ANALOG SOLUTION OF FREDHOLM'S INTEGRAL EQUATION JACM584 357
CHANGING FROM ANALOG TO DIGITAL PROGRAMMING BY DIGITAL TECHNIQUES JACM601 10
A SYSTEM FOR GENERAL-PURPOSE ANALOG-DIGITAL COMPUTATION JACM571 12
EQUIPMENT RELIABILITY AS APPLIED TO ANALOGUE COMPUTERS JACM541 21
OF BOUNDARY VALUE PROBLEMS INVOLVING THE DIFFERENCE ANALOGUE OF AN ELLIPTIC PARTIAL DIFFERENTIAL EQUATION JACM592 204
HIGHER ORDER DIFFERENCES IN THE ANALOGUE SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS JACM564 325
ANALOGUE STUDY OF ELECTRON TRAJECTORIES JACM551 28
BIBLIOGRAPHY ON NUMERICAL ANALYSIS JACM562 85
INFORMATION RETRIEVAL BASED ON LATENT CLASS ANALYSIS JACM624 512
SOLUTION OF CHARACTERISTIC EQUATIONS IN FLUTTER ANALYSIS ON THE NUMERICAL JACM581 45
METHOD FOR HANDLING INCOMPLETE DATA IN REGRESSION ANALYSIS COMPUTER-FEASIBLE JACM612 201
SYNTACTIC ANALYSIS AND OPERATOR PRECEDENCE JACM633 316
THREE LEVELS OF LINGUISTIC ANALYSIS IN MACHINE TRANSLATION JACM591 24
ARITHMETICAL ANALYSIS OF DIGITAL COMPUTING NETS JACM564 360
ERROR ANALYSIS OF DIRECT METHODS OF MATRIX INVERSION JACM613 281
ANALYSIS OF INTERNAL COMPUTER SORTING JACM611 41
LETTER TO THE EDITOR ON 'ANALYSIS OF INTERNAL COMPUTER SORTING' JACM614 649
ANALYSIS OF NETS BY NUMERICAL METHODS JACM603 251
ANALYSIS OF SHIFT REGISTER COUNTERS JACM584 385
WITH A VERY LARGE MEMORY A GENERAL ANALYSIS OF VARIANCE SCHEME APPLICABLE TO A COMPUTER JACM594 469
AN ELECTRONIC DIFFERENTIAL ANALYZER AS A DIFFERENCE ANALYZER JACM543 128
METHODS OF SIMULATING A DIFFERENTIAL ANALYZER ON A DIGITAL COMPUTER JACM583 281
INDEXING OF THE WORD 'AND' HAS BEEN PREVENTED 58 TIMES
A GENERAL ANALYSIS OF VARIANCE SCHEME APPLICABLE TO A COMPUTER WITH A VERY LARGE MEMORY JACM594 469
AN ALGORITHM FOR THE NUMERICAL APPLICATION OF A LINEAR OPERATOR JACM624 440
OF LOGICAL SYSTEMS ON AN APPLICATION OF DYNAMIC PROGRAMMING TO THE SYNTHESIS JACM594 486
LATION AND MONTE CARLO PROCEDURES THE APPLICATION OF SEQUENTIAL ESTIMATION TO COMPUTER SIMU JACM584 343
AN AUTOMATIC SEQUENCING PROCEDURE WITH APPLICATION TO PARALLEL PROGRAMMING JACM614 513
ON A WEIGHT DISTRIBUTION PROBLEM, WITH APPLICATION TO THE DESIGN OF STOCHASTIC GENERATORS JACM631 110
A HIGH-SCANNING-RATE STORAGE DEVICE FOR COMPUTER APPLICATIONS JACM581 76
DESIGN OF NUMERICAL FILTERS WITH APPLICATIONS TO MISSILE DATA PROCESSING JACM613 440
SOME COMBINATORIAL PROPERTIES OF CERTAIN TREES WITH APPLICATIONS TO SEARCHING AND SORTING JACM621 13
EQUIPMENT RELIABILITY AS APPLIED TO ANALOGUE COMPUTERS JACM541 21

A COMPUTATIONAL APPROACH TO GRAMMATICAL CODING OF ENGLISH WORDS JACM633 334
THE APPROXIMATE SOLUTION OF MATRIX PROBLEMS JACM583 205
REPORT ON EXPERIMENTS IN APPROXIMATING THE SOLUTION OF A DIFFERENTIAL EQUATION JACM561 26
ASYMPTOTIC BEHAVIOR OF THE BEST POLYNOMIAL APPROXIMATION JACM614 645
ON APPROXIMATION METHODS FOR THE ASSIGNMENT PROBLEM JACM624 419
FUNCTIONS CHEBYSHEV APPROXIMATION OF A CONTINUOUS FUNCTION BY A CLASS OF JACM571 30
EQUATIONS ON THE 'BEST' AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM OF LINEAR JACM573 341
THE DIGITAL APPROXIMATION OF CONTOURS JACM564 355
REMARKS ON 'THE DIGITAL APPROXIMATION OF CONTOURS' JACM574 524
A STABLE IMPLICIT FINITE DIFFERENCE APPROXIMATION TO A FOURTH ORDER PARABOLIC EQUATION JACM571 18
THE DETERMINATION OF THE POLYNOMIAL OF BEST MINIMAX APPROXIMATION TO A FUNCTION DEFINED ON A FINITE POINT JACM593 395
ON OF POWER SERIES IN TERMS OF POLYNOMIALS, RATIONAL APPROXIMATIONS AND CONTINUED FRACTIONS REPRESENTATI JACM614 613
DIFFERENT/ NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER JACM613 374
TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES JACM574 487
REMARKS ON 'TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES' JACM591 111
RATIONAL APPROXIMATIONS TO THE EXPONENTIAL FUNCTION JACM571 24
IN A DOMAIN/ ON THE TRUNCATION ERROR OF DISCRETE APPROXIMATIONS TO THE SOLUTIONS OF DIRICHLET PROBLEMS JACM581 32
NTINUED FRACTIONS METHODS FOR FITTING RATIONAL APPROXIMATIONS, PART I, TELESCOPING PROCEDURES FOR CO JACM602 150
METHODS FOR FITTING RATIONAL APPROXIMATIONS, PARTS II AND III JACM633 257
METHOD FOR COMPUTING THE GENERALIZED INVERSE OF AN ARBITRARY COMPLEX MATRIX AN ELIMINATION JACM634 532
FINDING ZEROS OF ARBITRARY FUNCTIONS JACM582 154
UNNORMALIZED FLOATING POINT ARITHMETIC JACM593 415
THOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATIONS A SIMPLE DESK-CALCULATOR ME JACM553 205
ELECTRONIC COMPUTER ERRORS DUE TO OVERFLOW IN ARITHMETIC OPERATIONS PARTICULARLY AS REGARDS FINAC JACM574 450
ARITHMETICAL ANALYSIS OF DIGITAL COMPUTING NETS JACM564 360
FLOATING-POINT ARITHMETICS JACM602 129
INDEXING OF THE WORD 'AS' HAS BEEN PREVENTED 5 TIMES
SEQUENCING ASPECTS OF MULTIPROGRAMMING JACM613 426
NG CIRCUITS A STATE VARIABLE ASSIGNMENT METHOD FOR ASYNCHRONOUS SEQUENTIAL SWITCHI JACM632 209
ON APPROXIMATION METHODS FOR THE ASSIGNMENT PROBLEM JACM624 419
OF DECOMPOSITION THEORY IN THE SOLUTION OF THE STATE ASSIGNMENT PROBLEM OF SEQUENTIAL MACHINES USE JACM633 386
MATRICES ASSOCIATED WITH THE HITCHCOCK PROBLEM JACM624 409
THE ASSOCIATION FACTOR IN INFORMATION RETRIEVAL JACM612 271
THE ASSOCIATION FOR COMPUTING MACHINERY JACM541 1
1954-1963 INDEX TO THE JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY, VOLUMES 1-10, JACM634 583
BIBLIOGRAPHIC INFORMATION ASSOCIATIVE DOCUMENT RETRIEVAL TECHNIQUES USING JACM634 440
APPROXIMATION ASYMPTOTIC BEHAVIOR OF THE BEST POLYNOMIAL JACM614 645
A STATE VARIABLE ASSIGNMENT METHOD FOR ASYNCHRONOUS SEQUENTIAL SWITCHING CIRCUITS JACM632 209
AUTHOR INDEX, 1954-1958 JACM584 397
SETS OF TAPES ACCEPTED BY DIFFERENT TYPES OF AUTOMATA JACM611 81
A DECISION PROCEDURE FOR COMPUTATIONS OF FINITE AUTOMATA JACM623 315
ISOMORPHISM GROUPS OF AUTOMATA JACM624 469
TURING MACHINES, FINITE AUTOMATA AND NEURAL NETS JACM614 467
FINITE AUTOMATA AND THE SET OF SQUARES JACM634 528
CATEGORIZING AUTOMATA BY W-MACHINE PROGRAMS JACM613 384
THE LOGIC OF AUTOMATA, PART I JACM572 193
THE LOGIC OF AUTOMATA, PART II JACM573 279
FINITE AUTOMATA, PATTERN RECOGNITION AND PERCEPTRONS JACM611 1
SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I JACM564 299
TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT JACM554 243
AUTOMATIC CODING FOR THE IBM 701 JACM554 253

SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I JACM564 299
TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT JACM554 243
AUTOMATIC CODING FOR THE IBM 701 JACM554 253
OF A COOPERATIVE VENTURE IN THE PRODUCTION OF AN AUTOMATIC CODING SYSTEM A DESCRIPTION JACM564 266
AUTOMATIC COMPUTATIONS WITH POWER SERIES JACM561 10
ANALOG INTERPOLATOR FOR AUTOMATIC CONTROL JACM552 83
ACCOUNT IDENTIFICATION FOR AUTOMATIC DATA PROCESSING JACM573 245
OF ALGEBRAIC AND TRANSCENDENTAL EQUATIONS ON AN AUTOMATIC DIGITAL COMPUTER SOLUTION JACM591 97
AUTOMATIC DOCUMENT CLASSIFICATION JACM632 151
AUTOMATIC INDEXING, AN EXPERIMENTAL INQUIRY JACM613 404
MACHINE FEATURES FOR A MORE AUTOMATIC MONITORING SYSTEM ON DIGITAL COMPUTERS JACM572 172
AUTOMATIC PREPARATION OF FLOW CHART LISTINGS JACM581 57
AN AUTOMATIC PROGRAMMING ROUTINE FOR THE ELLIOTT 401 JACM572 151
PARALLEL PROGRAMMING AN AUTOMATIC SEQUENCING PROCEDURE WITH APPLICATION TO JACM614 513
PUNCHED CARDS AUTOMATIC STRAIN-GAGE AND THERMOCOUPLE RECORDING ON JACM541 36
ON THE STRUCTURES OF AN AUTOMATON AND ITS INPUT SEMIGROUP JACM634 521
GROUP THE STRUCTURE OF AN AUTOMATON AND ITS OPERATION-PRESERVING TRANSFORMATION JACM623 345
REDUCTION AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA JACM581 89
ON THE AMBIGUITY PROBLEM OF BACKUS SYSTEMS JACM624 477
EQUATIONS ON BATEMAN'S METHOD FOR SOLVING LINEAR INTEGRAL JACM573 314
ASYMPTOTIC BEHAVIOR OF THE BEST POLYNOMIAL APPROXIMATION JACM614 645
A METHOD OF DETERMINING PLATE BENDING BY USE OF A PUNCHED-CARD MACHINE JACM543 105
ON MODERN MATRIX ITERATION PROCESSES OF BERNOULLI AND GRAEFFE TYPE JACM583 246
EVALUATION OF INTEGRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCULAR FUNCTIONS JACM582 119
GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL COMPUTERS JACM593 366
ALGORITHM FOR THE DETERMINATION OF THE POLYNOMIAL OF BEST MINIMAX APPROXIMATION TO A FUNCTION DEFINED ON A JACM593 395
A METHOD FOR THE SOLUTION OF THE NTH BEST PATH PROBLEM JACM594 506
ASYMPTOTIC BEHAVIOR OF THE BEST POLYNOMIAL APPROXIMATION JACM614 645
NED SYSTEM OF LINEAR EQUATIONS ON THE 'BEST' AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMI JACM573 341
ASSOCIATIVE DOCUMENT RETRIEVAL TECHNIQUES USING BIBLIOGRAPHIC INFORMATION JACM634 440
BIBLIOGRAPHY ON NUMERICAL ANALYSIS JACM562 85
ONAL RESULTS ON 'TWO-LINE' ITERATIVE METHODS FOR THE BIHARMONIC DIFFERENCE EQUATION SOME COMPUTATI JACM613 359
NT LIFE INSURANCE PREMIUM BILLING AND COMBINED OPERATIONS BY ELECTRONIC EQUIPME JACM541 7
A NEW METHOD FOR THE PAYMENT OF BILLS AND THE TRANSFER OF CREDIT JACM602 140
ONS A SIMPLE DESK-CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATI JACM553 205
SYNTHESIS OF BINARY RING COUNTERS OF GIVEN PERIODS JACM603 287
CUMULATIVE BINOMIAL PROBABILITIES JACM623 405
MEMORY MATRIX USING FERROELECTRIC CONDENSERS AS BISTABLE ELEMENTS JACM553 169
A METHOD OF NORMALIZED BLOCK ITERATION JACM592 236
GENERALIZED TREE CIRCUIT, THE BASIC BUILDING BLOCK OF AN EXTENDED DECOMPOSITION THEORY JACM634 562
AN ALGORITHM FOR TRANSLATING BOOLEAN EXPRESSIONS JACM622 222
SIMPLIFICATION OF A CLASS OF BOOLEAN FUNCTIONS JACM581 67
THE NUMBER OF CLASSES OF INVERTIBLE BOOLEAN FUNCTIONS JACM631 25
A THEOREM ON BOOLEAN MATRICES JACM621 11
METHOD OF SOLVING A HEAT FLOW PROBLEM WITH MOVING BOUNDARY A NUMERICAL JACM582 161
TION METHOD FOR SOLVING THE PLATE PROBLEM WITH MIXED BOUNDARY CONDITIONS ON AN ALTERNATING DIREC JACM603 264
OF THE NEUMANN AND MIXED BOUNDARY VALUE PROBLEMS BY BOUNDARY CONTRACTION NUMERICAL SOLUTION JACM613 336
AL EQUATION BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTI JACM592 226

AL EQUATION II — BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTI JACM601 37
A NOTE ON NUMERICAL SOLUTION OF CERTAIN LINEAR — BOUNDARY VALUE PROBLEMS JACM583 258
NUMERICAL SOLUTION OF THE NEUMANN AND MIXED — BOUNDARY VALUE PROBLEMS BY BOUNDARY CONTRACTION JACM613 336
OGUE OF AN ELLIPTIC PART/ MONTE CARLO SOLUTIONS OF — BOUNDARY VALUE PROBLEMS INVOLVING THE DIFFERENCE ANAL JACM592 204
PUNCH CARD MACHINES A METHOD OF SOLVING — BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS ON JACM543 101
A GENERALIZATION OF A THEOREM OF CARR ON ERROR — BOUNDS FOR RUNGE-KUTTA PROCEDURES JACM601 57
PROCESS ERROR — BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION JACM581 39
ON SOME ERROR — BOUNDS OF GIVENS JACM582 127
CLASSES OF SEQUENTIAL MACHINES LEAST UPPER — BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO JACM614 601
PLAYING PROGRAM FOR DOUBLE-DUMMY — BRIDGE PROBLEMS, A NEW STRATEGY FOR MECHANICAL GAME JACM633 357
ADDRESSING FOR RANDOM-ACCESS STORAGE WITH MULTIPLE — BUCKET CAPACITIES JACM633 307
THE SHARE 709 SYSTEM, PROGRAMMED INPUT-OUTPUT — BUFFERING JACM592 145
INPUT-OUTPUT — BUFFERING AND FORTRAN JACM601 1
GENERALIZED TREE CIRCUIT, THE BASIC — BUILDING BLOCK OF AN EXTENDED DECOMPOSITION THEORY JACM634 562
— BURROUGHS TRUTH FUNCTION EVALUATOR JACM572 189
TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR — BUSINESS THE IBM JACM544 149
INDEXING OF THE WORD 'BY' HAS BEEN PREVENTED 20 TIMES
U.S.S.R. THE HIGH-SPEED ELECTRONIC — CALCULATING MACHINE OF THE ACADEMY OF SCIENCES OF THE JACM563 129
LOOP MEASUREMENTS — CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED JACM583 289
SORTING BY ADDRESS — CALCULATION JACM563 169
— CALCULATION OF GENERALIZED HYPERGEOMETRIC SERIES JACM544 170
REAL SYMMETRIC MAT/ AN ITERATIVE PROCEDURE FOR THE — CALCULATION OF THE EIGENVALUES AND EIGENVECTORS OF A JACM563 223
COMPUTER TIME FOR ADDRESS — CALCULATION SORTING JACM604 389
THE GENERATION OF PSEUDO-RANDOM NUMBERS ON A DECIMAL — CALCULATOR JACM542 88
INFORMATION SEARCHING WITH THE 701 — CALCULATOR JACM572 131
TAL-COMPUTER ARITHMETIC OPERATIONS A SIMPLE DESK- — CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGI JACM553 205
THE IBM MAGNETIC DRUM — CALCULATOR TYPE 650 JACM541 13
A SEMI-DECISION PROCEDURE FOR THE FUNCTIONAL — CALCULUS JACM631 1
SOLVES SYMBOLIC INTEGRATION PROBLEMS IN FRESHMAN — CALCULUS A HEURISTIC PROGRAM THAT JACM634 507
-SPEED DIGITAL MULTIPLIER THE USE OF INDEX — CALCULUS AND MERSENNE PRIMES FOR THE DESIGN OF A HIGH JACM611 87
A FUNCTIONAL — CANONICAL FORM JACM592 245
MULTIFUNCTIONAL CIRCUITS IN FUNCTIONAL — CANONICAL FORM JACM594 538
FOR RANDOM-ACCESS STORAGE WITH MULTIPLE BUCKET — CAPACITIES ADDRESSING JACM633 307
OF DETERMINING PLATE BENDING BY USE OF A PUNCHED- — CARD MACHINE A METHOD JACM543 105
VALUE PROBLEMS OF MATHEMATICAL PHYSICS ON PUNCH — CARD MACHINES A METHOD OF SOLVING BOUNDARY JACM543 101
LAPLACE TRANSFORM A GENERAL — CARD-PROGRAM FOR THE EVALUATION OF THE INVERSE JACM551 18
STRAIN-GAGE AND THERMOCOUPLE RECORDING ON PUNCHED — CARDS AUTOMATIC JACM541 36
SORTING — CARDS WITH RESPECT TO A MODULUS JACM571 41
FOR SIMPLIFYING SWITCHING CIRCUITS USING 'DONT — CARE' CONDITIONS SOME METHODS JACM614 497
CONDITIONAL MONTE — CARLO JACM562 73
MONTE — CARLO COMPUTATIONS IN NORMAL CORRELATION PROBLEMS JACM633 302
A METHOD FOR INCREASING THE EFFICIENCY OF MONTE — CARLO INTEGRATION JACM573 329
IN 'A METHOD FOR INCREASING THE EFFICIENCY OF MONTE — CARLO INTEGRATION' ERRATUM JACM574 540
QUENTIAL ESTIMATION TO COMPUTER SIMULATION AND MONTE — CARLO PROCEDURES THE APPLICATION OF SE JACM584 343
THE DIFFERENCE ANALOGUE OF AN ELLIPTIC PART/ MONTE — CARLO SOLUTIONS OF BOUNDARY VALUE PROBLEMS INVOLVING JACM592 204
A GENERALIZATION OF A THEOREM OF — CARR ON ERROR BOUNDS FOR RUNGE-KUTTA PROCEDURES JACM601 57
A COMPUTER PROGRAM FOR A SOLVABLE — CASE OF THE DECISION PROBLEM JACM633 348
— CATEGORIZING AUTOMATA BY W-MACHINE PROGRAMS JACM613 384
INDEXING OF THE WORD 'CERTAIN' HAS BEEN PREVENTED 5 TIMES
DIGITAL TECHNIQUES — CHANGING FROM ANALOG TO DIGITAL PROGRAMMING BY JACM601 10
ON THE NUMERICAL SOLUTION OF — CHARACTERISTIC EQUATIONS IN FLUTTER ANALYSIS JACM581 45

A COMPUTER PROGRAM FOR A SOLVABLE CASE OF THE DECISION PROBLEM JACM633 348
CATEGORIZING AUTOMATA BY W-MACHINE PROGRAMS JACM613 384

INDEXING OF THE WORD 'CERTAIN' HAS BEEN PREVENTED 5 TIMES
DIGITAL TECHNIQUES CHANGING FROM ANALOG TO DIGITAL PROGRAMMING BY JACM601 10
ON THE NUMERICAL SOLUTION OF CHARACTERISTIC EQUATIONS IN FLUTTER ANALYSIS JACM581 45
SOME INVERSE CHARACTERISTIC VALUE PROBLEMS JACM563 203
THE CHARACTERISTIC VALUE-VECTOR PROBLEM JACM573 298
AUTOMATIC PREPARATION OF FLOW CHART LISTINGS JACM581 57
A CHEBYCHEFF FITTING CRITERION JACM581 22
CLASS OF FUNCTIONS CHEBYSHEV APPROXIMATION OF A CONTINUOUS FUNCTION BY A JACM571 30
TWO-DIMENSIONAL PARITY CHECKING JACM612 186
C OPERATIONS A SIMPLE DESK-CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETI JACM553 205
A NEW METHOD OF CHECKING THE CONSISTENCY OF PRECEDENCE MATRICES JACM592 164
COMPUTATIONS IN THE FIELD OF ENGINEERING CHEMISTRY JACM574 393
THE UTILIZATION OF INFORMATIONAL-LOGICAL MACHINES IN CHEMISTRY (USSR) THE PROSPECTS FOR JACM612 240
EXPERIMENTS IN CHESS JACM572 174
ORIGIN AND DEVELOPMENT OF THE CHINESE ABACUS JACM591 102
A GENERALIZED TREE CIRCUIT JACM614 484
DECOMPOSITION THEORY GENERALIZED TREE CIRCUIT, THE BASIC BUILDING BLOCK OF AN EXTENDED JACM634 562
IGNMENT METHOD FOR ASYNCHRONOUS SEQUENTIAL SWITCHING CIRCUITS A STATE VARIABLE ASS JACM632 209
MULTIFUNCTIONAL CIRCUITS IN FUNCTIONAL CANONICAL FORM JACM594 538
SOME METHODS FOR SIMPLIFYING SWITCHING CIRCUITS USING 'DONT CARE' CONDITIONS JACM614 497
DESIGNING COMPUTER CIRCUITS WITH A COMPUTER JACM572 143
GRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCULAR FUNCTIONS EVALUATION OF INTE JACM582 119
ON THE VIBRATION OF A SQUARE CLAMPED PLATE JACM553 162
INFORMATION RETRIEVAL BASED ON LATENT CLASS ANALYSIS JACM624 512
SIMPLIFICATION OF A CLASS OF BOOLEAN FUNCTIONS JACM581 67
APPROXIMATION OF A CONTINUOUS FUNCTION BY A CLASS OF FUNCTIONS CHEBYSHEV JACM571 30
THE NUMBER OF CLASSES OF INVERTIBLE BOOLEAN FUNCTIONS JACM631 25
BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENTIAL MACHINES LEAST UPPER JACM614 601
CODES FOR THE CLASSICAL MEMBRANE PROBLEM JACM574 477
AUTOMATIC DOCUMENT CLASSIFICATION JACM632 151
CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP MEASUREMENTS JACM583 289
UTION OF ORDINARY DIFFERENTIAL EQUATIONS BY REPEATED CLOSURES /OF TRUNCATION ERRORS IN THE NUMERICAL SOL JACM551 5
A MULTIPLE PURPOSE ORTHONORMALIZING CODE AND ITS USES JACM544 183
CODING AND CODE COMPRESSION JACM584 328
CODES FOR THE CLASSICAL MEMBRANE PROBLEM JACM574 477
STANDARDIZED PROGRAMMING METHODS AND UNIVERSAL CODING JACM573 254
CODING AND CODE COMPRESSION JACM584 328
TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT JACM554 243
AUTOMATIC CODING FOR THE IBM 701 JACM554 253
A COMPUTATIONAL APPROACH TO GRAMMATICAL CODING OF ENGLISH WORDS JACM633 334
ND EIGENVECTORS OF REAL SYMMETRIC MATRICES ON THE CODING OF JACOBI'S METHOD FOR COMPUTING EIGENVALUES A JACM632 123
OOPERATIVE VENTURE IN THE PRODUCTION OF AN AUTOMATIC CODING SYSTEM A DESCRIPTION OF A C JACM564 266
THE PACT I CODING SYSTEM FOR THE IBM TYPE 701 JACM564 272
CONCLUSIONS AFTER USING THE PACT I ADVANCED CODING TECHNIQUE JACM564 309
NS EVALUATION OF INTEGRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCULAR FUNCTIO JACM582 119
ATIONS TO SEARCHING AND SORTING SOME COMBINATORIAL PROPERTIES OF CERTAIN TREES WITH APPLIC JACM621 13
LIFE INSURANCE PREMIUM BILLING AND COMBINED OPERATIONS BY ELECTRONIC EQUIPMENT JACM541 7
NCE OF THE ITERATIVE SOLUTION OF LINEAR EQUATIO/ A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMA JACM594 476

NCE OF THE ITERATIVE SOLUTION O/ CORRIGENDUM TO 'A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMA JACM602 188
ON DIGITAL COMPUTERS A COMPARISON OF METHODS FOR GENERATING NORMAL DEVIATES JACM593 376
COMPATIBILITY OF STATES IN INPUT-INDEPENDENT MACHINES JACM613 400
A FORTRAN-COMPILED LIST-PROCESSING LANGUAGE JACM602 87
LOGICAL ORGANIZATION OF THE PACT I COMPILER JACM564 279
PRODUCING COMPUTER INSTRUCTIONS FOR THE PACT I COMPILER JACM564 288
EXPERIMENTS WITH A HEURISTIC COMPILER JACM634 493
A METHOD FOR OBTAINING SPECIFIC VALUES OF COMPILING-PARAMETER FUNCTIONS JACM623 379
COMPUTING THE GENERALIZED INVERSE OF AN ARBITRARY COMPLEX MATRIX AN ELIMINATION METHOD FOR JACM634 532
ON THE INVERSION COMPLEXITY OF A SYSTEM OF FUNCTIONS JACM584 331
QUADRATURE FORMULAS WHICH ACHIEVE HIGH ACCURACY IN COMPOSITE RULES A FAMILY OF JACM593 384
INVERSION OF TRIPLE-DIAGONAL COMPOUND MATRICES JACM621 71
CODING AND CODE COMPRESSION JACM584 328
COMPUTABILITY OF RECURSIVE FUNCTIONS JACM632 217
INDEXING OF THE WORDS 'COMPUTATION(S)' HAS BEEN PREVENTED 19 TIMES
OF A TRUTH FUNCTION COMPUTATIONAL AIDS FOR DETERMINING THE MINIMAL FORM JACM604 299
ENGLISH WORDS A COMPUTATIONAL APPROACH TO GRAMMATICAL CODING OF JACM633 334
FOR THE BIHARMONIC DIFFERENCE EQUATION SOME COMPUTATIONAL RESULTS ON 'TWO-LINE' ITERATIVE METHODS JACM613 359
EASIAC, A PSEUDO-COMPUTER JACM562 65
ON THE RECOGNITION OF INFORMATION WITH A DIGITAL COMPUTER JACM572 178
A DUAL MASTER FILE SYSTEM FOR A TAPE PROCESSING COMPUTER JACM584 319
THEOREM-PROVING ON THE COMPUTER JACM632 163
SYSTEM FOR GENERATING 'PRONOUNCEABLE' NAMES USING A COMPUTER A JACM611 97
OF POLYNOMIALS IN SEVERAL VARIABLES FOR A DIGITAL COMPUTER ALGEBRA JACM621 29
OF SIMULATING A DIFFERENTIAL ANALYZER ON A DIGITAL COMPUTER METHODS JACM583 281
OF DIGITAL FILTERS ON AN ELECTRONIC ANALOG COMPUTER SIMULATION JACM561 16
PROOF PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC COMPUTER A MECHANICAL JACM602 102
FOR HANDLING ALPHAMERIC INFORMATION ON THE IBM 701 COMPUTER A GENERAL SYSTEM JACM563 175
AND TRANSCENDENTAL EQUATIONS ON AN AUTOMATIC DIGITAL COMPUTER SOLUTION OF ALGEBRAIC JACM591 97
OPERATIONS PARTICULARLY AS REGARDS FINAC ELECTRONIC COMPUTER ERRORS DUE TO OVERFLOW IN ARITHMETIC JACM574 450
A HIGH-SCANNING-RATE STORAGE DEVICE FOR COMPUTER APPLICATIONS JACM581 76
ULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATIONS A SIMPLE DESK-CALC JACM553 205
DESIGNING COMPUTER CIRCUITS WITH A COMPUTER JACM572 143
RUNNING A COMPUTER EFFICIENTLY JACM543 124
ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVECT JACM621 41
O 'ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVECT JACM624 522
COMPUTER GENERATION OF OPTIMIZED SUBROUTINES JACM611 104
LETTER TO THE EDITOR ON 'COMPUTER GENERATION OF OPTIMIZED SUBROUTINES' JACM614 648
PRODUCING COMPUTER INSTRUCTIONS FOR THE PACT I COMPILER JACM564 288
OFFICE OF NAVAL RESEARCH DIGITAL COMPUTER NEWSLETTER SEE DCN
PROBLEM A COMPUTER PROGRAM FOR A SOLVABLE CASE OF THE DECISION JACM633 348
TIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LO/ ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTA JACM631 48
TIONS FOR TWO-LEVEL MULTIPLE INP/ ERRATUM IN 'ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTA JACM632 256
PSYCHOLOGICAL TESTS AND SELECTION OF COMPUTER PROGRAMMERS JACM573 348
MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER PROGRAMMING JACM623 387
COMPUTER PROGRAMMING FOR YOUNG STUDENTS JACM584 309
TECHNIQUES FOR THE TEST AND EVALUATION OF REAL-TIME COMPUTER PROGRAMS SIMULATION JACM573 354
THE APPLICATION OF SEQUENTIAL ESTIMATION TO COMPUTER SIMULATION AND MONTE CARLO PROCEDURES JACM584 343

ANALYSIS OF INTERNAL COMPUTER SORTING JACM611 41
LETTER TO THE EDITOR ON 'ANALYSIS OF INTERNAL COMPUTER SORTING' JACM614 649
PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
SORTING ON ELECTRONIC COMPUTER SYSTEMS JACM563 136

ANALYSIS OF INTERNAL COMPUTER SORTING JACM611 41
LETTER TO THE EDITOR ON 'ANALYSIS OF INTERNAL COMPUTER SORTING' JACM614 649
PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
SORTING ON ELECTRONIC COMPUTER SYSTEMS JACM563 134
A HIGH-SPEED COMPUTER TECHNIQUE FOR THE TRANSPORTATION PROBLEM JACM582 137
COMPUTER TIME FOR ADDRESS CALCULATION SORTING JACM604 389
ON COMPUTER TRANSCRIPTION OF MANUAL MORSE JACM593 429
GENERAL ANALYSIS OF VARIANCE SCHEME APPLICABLE TO A COMPUTER WITH A VERY LARGE MEMORY A JACM594 469
IN REGRESSION ANALYSIS COMPUTER-FEASIBLE METHOD FOR HANDLING INCOMPLETE DATA JACM612 201
EQUIPMENT RELIABILITY AS APPLIED TO ANALOGUE COMPUTERS JACM541 21
PROBLEMS IN ACCEPTANCE TESTING OF DIGITAL COMPUTERS JACM542 82
ON THE DEMONSTRATION OF HIGH-SPEED DIGITAL COMPUTERS JACM544 177
TWO PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS COMPUTERS JACM573 274
GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL COMPUTERS JACM593 366
EXCHANGE, AN INTERNAL SORTING METHOD FOR DIGITAL COMPUTERS RADIX JACM592 156
OF METHODS FOR GENERATING NORMAL DEVIATES ON DIGITAL COMPUTERS A COMPARISON JACM593 376
FOR A MORE AUTOMATIC MONITORING SYSTEM ON DIGITAL COMPUTERS MACHINE FEATURES JACM572 172
SOLVING CONTROL DIFFERENTIAL EQUATIONS ON DIGITAL COMPUTERS A NUMERICAL METHOD FOR JACM601 61
DIGITAL COMPUTERS FOR REAL-TIME SIMULATION JACM553 186
RIC MATRICES ON THE CODING OF JACOBI'S METHOD FOR COMPUTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMET JACM632 123
AND SECOND KIND NEW FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST JACM594 515
AND SECOND KINDS FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST JACM632 126
AND SECOND KINDS' ERRATUM IN 'FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST JACM633 412
THE ASSOCIATION FOR COMPUTING MACHINERY JACM541 1
INDEX TO THE JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY, VOLUMES 1-10, 1954-1963 JACM634 583
ON SINGLE VS. TRIPLE ADDRESS COMPUTING MACHINES JACM543 119
A VARIANT TO TURING'S THEORY OF COMPUTING MACHINES JACM571 63
ARITHMETICAL ANALYSIS OF DIGITAL COMPUTING NETS JACM564 360
A COMPUTING PROCEDURE FOR QUANTIFICATION THEORY JACM603 201
A NOTE ON A METHOD OF COMPUTING THE GAMMA FUNCTION JACM604 387
COMPLEX MATRIX AN ELIMINATION METHOD FOR COMPUTING THE GENERALIZED INVERSE OF AN ARBITRARY JACM634 532
TECHNIQUE CONCLUSIONS AFTER USING THE PACT I ADVANCED CODING JACM564 309
TABLES CONDENSATION AND LOOK-UP PROCEDURES FOR DOUBLE ENTRY JACM574 456
MEMORY MATRIX USING FERROELECTRIC CONDENSERS AS BISTABLE ELEMENTS JACM553 169
N PROBLEMS A NECESSARY AND SUFFICIENT CONDITION FOR STABILITY OF PARTIAL DIFFERENCE EQUATIO JACM602 163
CONDITIONAL MONTE CARLO JACM562 73
ON PRE-CONDITIONING OF MATRICES JACM604 338
FOR SIMPLIFYING SWITCHING CIRCUITS USING 'DONT CARE' CONDITIONS SOME METHODS JACM614 497
FOR SOLVING THE PLATE PROBLEM WITH MIXED BOUNDARY CONDITIONS ON AN ALTERNATING DIRECTION METHOD JACM603 264
CONFERENCE ON MATRIX COMPUTATIONS (ABSTRACTS) JACM574 520
CONFERENCE ON MATRIX COMPUTATIONS (ABSTRACTS) JACM581 100
OF THE NUMBER OF SOLUTIONS OF CERTAIN TRINOMIAL CONGRUENCES ON THE COMPUTATION JACM574 505
MACHINES MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL JACM632 131
FORMAL PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH JACM574 428
SYMBOLIC DESIGNATIONS FOR ELECTRICAL CONNECTIONS JACM574 420
MACHINES CONNECTIVE PROPERTIES PRESERVED IN MINIMAL STATE JACM604 311
INDUCTIVE INFERENCE A NOTE ON THE SELF-CONSISTENCY OF DEFINITIONS OF GENERALIZATION AND JACM622 280
A NEW METHOD OF CHECKING THE CONSISTENCY OF PRECEDENCE MATRICES JACM592 164

ON THE CONSISTENCY OF PRECEDENCE MATRICES JACM603 255
HMS, AN EXPERIMENTAL STUDY FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION ALGORIT JACM634 458
T OF SIMULTANEOUS FIRST ORDER DIFFERENT/ NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SE JACM613 374
QUOTIENTS OF CONTEXT-FREE LANGUAGES JACM634 487
DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE MECHANICAL LANGUAGES JACM632 196
GENERATION OF ERRORS IN THE DIGITAL EVALUATION OF CONTINUED FRACTIONS ON THE JACM563 199
TATION OF EXPONENTIAL AND HYPERBOLIC FUNCTIONS USING CONTINUED FRACTIONS ON THE COMPU JACM554 262
APPROXIMATIONS, PART I, TELESCOPING PROCEDURES FOR CONTINUED FRACTIONS METHODS FOR FITTING RATIONAL JACM602 150
IN TERMS OF POLYNOMIALS, RATIONAL APPROXIMATIONS AND CONTINUED FRACTIONS REPRESENTATION OF POWER SERIES JACM614 613
CHEBYSHEV APPROXIMATION OF A CONTINUOUS FUNCTION BY A CLASS OF FUNCTIONS JACM571 30
THE DIGITAL APPROXIMATION OF CONTOURS JACM564 355
REMARKS ON 'THE DIGITAL APPROXIMATION OF CONTOURS' JACM574 524
EUMANN AND MIXED BOUNDARY VALUE PROBLEMS BY BOUNDARY CONTRACTION NUMERICAL SOLUTION OF THE N JACM613 336
EQUATION BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL JACM592 226
EQUATION II BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL JACM601 37
ANALOG INTERPOLATOR FOR AUTOMATIC CONTROL JACM552 83
THE SHARE 709 SYSTEM, SUPERVISORY CONTROL JACM592 152
A NUMERICAL METHOD FOR SOLVING CONTROL DIFFERENTIAL EQUATIONS ON DIGITAL COMPUTERS JACM601 61
TEST OF AN INVENTORY CONTROL SYSTEM ON FERUT JACM572 121
EQUATION RATES OF CONVERGENCE IN NUMERICAL SOLUTION OF THE DIFFUSION JACM561 29
ON THE CONVERGENCE OF MATRIX ITERATIONS JACM564 314
IC PARTIAL DIFFERENCE EQUATIONS ON THE INCREASE OF CONVERGENCE RATES OF RELAXATION PROCEDURES FOR ELLIPT JACM601 29
THE SHARE 709 SYSTEM, A COOPERATIVE EFFORT JACM592 123
CODING SYSTEM A DESCRIPTION OF A COOPERATIVE VENTURE IN THE PRODUCTION OF AN AUTOMATIC JACM564 266
THE SOLUTIONS OF DIRICHLET PROBLEMS IN A DOMAIN WITH CORNERS /ATION ERROR OF DISCRETE APPROXIMATIONS TO JACM581 32
PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION/ CORRECTION AND ADDENDUM TO 'ORGANIZATION OF A 'FIXED- JACM624 522
STABILITY OF A GENERALIZED CORRECTOR FORMULA JACM621 104
STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR-CORRECTOR METHOD A JACM602 176
STABLE PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS JACM591 37
STABILITY PROPERTIES OF PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS JACM624 457
EFFICIENCY OF PREDICTOR-CORRECTOR PROCEDURES JACM633 291
CORRELATION COMPUTATION ON ANALOG DEVICES JACM554 267
NUMBERS SERIAL CORRELATION IN THE GENERATION OF PSEUDO-RANDOM JACM601 72
MONTE CARLO COMPUTATIONS IN NORMAL CORRELATION PROBLEMS JACM633 302
BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION O/ CORRIGENDUM TO 'A COMPARISON OF MACHINE ORGANIZATIONS JACM602 188
ANALYSIS OF SHIFT REGISTER COUNTERS JACM584 385
SINGLE FUNCTION SHIFTING [illegible] JACM623 375
SYNTHESIS OF BINARY RING COUNTERS OF GIVEN PERIODS JACM603 287
METHOD FOR THE PAYMENT OF BILLS AND THE TRANSFER OF CREDIT A NEW JACM602 140
A CHEBYCHEFF FITTING CRITERION JACM581 22
A STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM593 363
THE WILF STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM634 557
CUMULATIVE BINOMIAL PROBABILITIES JACM623 405
TRANSFORM OF RATIONAL FUNCTIONS A 'CURVE PLOTTING' ROUTINE FOR THE INVERSE LAPLACE JACM581 52
AN ALGORITHM FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA JACM633 283
DATA PROCESSING MACHINE PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM JACM544 173
ON THE DANILEWSKI METHOD JACM631 102
FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA AN ALGORITHM JACM633 283

EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING SWAC JACM5a1 9
COMPUTER-FEASIBLE METHOD FOR HANDLING INCOMPLETE DATA IN REGRESSION ANALYSIS JACM612 201
ACCOUNT IDENTIFICATION FOR AUTOMATIC DATA PROCESSING JACM573 245
GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA PROCESSING JACM591 1

ON THE DANILEWSKI METHOD JACM631 102
FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA AN ALGORITHM JACM633 283

EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING SWAC JACM531 9
COMPUTER-FEASIBLE METHOD FOR HANDLING INCOMPLETE DATA IN REGRESSION ANALYSIS JACM612 201
ACCOUNT IDENTIFICATION FOR AUTOMATIC DATA PROCESSING JACM573 245
GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA PROCESSING JACM591 1
OF NUMERICAL FILTERS WITH APPLICATIONS TO MISSILE DATA PROCESSING DESIGN JACM613 440
CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM DATA PROCESSING MACHINE PUBLIC UTILITY JACM544 173
THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR BUSINESS JACM544 149
MATHEMATICAL STRUCTURE OF NONARITHMETIC DATA PROCESSING PROCEDURES JACM621 136
AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION JACM581 89
WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I JACM564 299
OFFICE OF NAVAL RESEARCH DCN VOL 6 NO 1 JAN 54 JACM541 47
OFFICE OF NAVAL RESEARCH DCN VOL 6 NO 2 APR 54 JACM542 93
OFFICE OF NAVAL RESEARCH DCN VOL 6 NO 3 JUL 54 JACM543 139
OFFICE OF NAVAL RESEARCH DCN VOL 6 NO 4 OCT 54 JACM544 193
OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 1 JAN 55 JACM551 53
OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 2 APR 55 JACM552 119
OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 3 JUL 55 JACM553 211
OFFICE OF NAVAL RESEARCH DCN VOL 7 NO 4 OCT 55 JACM554 283
OFFICE OF NAVAL RESEARCH DCN VOL 8 NO 1 JAN 56 JACM561 44
OFFICE OF NAVAL RESEARCH DCN VOL 8 NO 2 APR 56 JACM562 114
OFFICE OF NAVAL RESEARCH DCN VOL 8 NO 3 JUL 56 JACM563 245
OFFICE OF NAVAL RESEARCH DCN VOL 8 NO 4 OCT 56 JACM564 383
OFFICE OF NAVAL RESEARCH DCN VOL 9 NO 1 JAN 57 JACM571 97
OFFICE OF NAVAL RESEARCH DCN VOL 9 NO 2 APR 57 JACM572 225
OFFICE OF NAVAL RESEARCH DCN VOL 9 NO 3 JUL 57 JACM573 371
OFFICE OF NAVAL RESEARCH DCN VOL 9 NO 4 OCT 57 JACM574 541
THE GENERATION OF PSEUDO-RANDOM NUMBERS ON A DECIMAL CALCULATOR JACM542 88
MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL MACHINES JACM632 131
A COMPUTER PROGRAM FOR A SOLVABLE CASE OF THE DECISION PROBLEM JACM633 348
AUTOMATA A DECISION PROCEDURE FOR COMPUTATIONS OF FINITE JACM623 315
A SEMI-DECISION PROCEDURE FOR THE FUNCTIONAL CALCULUS JACM631 1
CIRCUIT, THE BASIC BUILDING BLOCK OF AN EXTENDED DECOMPOSITION THEORY GENERALIZED TREE JACM634 562
IGNMENT PROBLEM OF SEQUENTIAL MACHINES USE OF DECOMPOSITION THEORY IN THE SOLUTION OF THE STATE ASS JACM633 386
OPERATIONS WHICH PRESERVE DEFINABILITY IN LANGUAGES JACM632 175
LYNOMIAL OF BEST MINIMAX APPROXIMATION TO A FUNCTION DEFINED ON A FINITE POINT SET /ERMINATION OF THE PO JACM593 395
A PROPERTY OF SEMI-DEFINITE HERMITIAN MATRICES JACM583 244
A NOTE ON THE SELF-CONSISTENCY OF DEFINITIONS OF GENERALIZATION AND INDUCTIVE INFERENCE JACM622 280
PRECISION MODULATORS AND DEMODULATORS JACM554 229
ON THE DEMONSTRATION OF HIGH-SPEED DIGITAL COMPUTERS JACM544 177
MULTIPLE REDUCTION OF VARIABLE DEPENDENCY OF SEQUENTIAL MACHINES JACM623 324
N OF AN AUTOMATIC CODING SYSTEM A DESCRIPTION OF A COOPERATIVE VENTURE IN THE PRODUCTIO JACM564 266
A DESCRIPTIVE LANGUAGE FOR SYMBOL MANIPULATION JACM614 579
SYSTEM THE DESIGN AND SIMULATION OF AN INFORMATION PROCESSING JACM612 260
THE DESIGN AND USE OF HAZARD-FREE SWITCHING NETWORKS JACM571 47
USE OF INDEX CALCULUS AND MERSENNE PRIMES FOR THE DESIGN OF A HIGH-SPEED DIGITAL MULTIPLIER THE JACM611 87
MISSILE DATA PROCESSING DESIGN OF NUMERICAL FILTERS WITH APPLICATIONS TO JACM613 440
EXPRESSIONS DESIGN OF SEQUENTIAL MACHINES FROM THEIR REGULAR JACM614 585

WEIGHT DISTRIBUTION PROBLEM, WITH APPLICATION TO THE SYMBOLIC — DESIGN OF STOCHASTIC GENERATORS ON A JACM631 110
— DESIGNATIONS FOR ELECTRICAL CONNECTIONS JACM574 420
— DESIGNING COMPUTER CIRCUITS WITH A COMPUTER JACM572 143
DIGITAL-COMPUTER ARITHMETIC OPERATIONS A SIMPLE — DESK-CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF JACM553 205
MECHANICAL LANGUAGES — DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE JACM632 196
XIMATION TO A FUNCTION DEFIN/ AN ALGORITHM FOR THE — DETERMINATION OF THE POLYNOMIAL OF BEST MINIMAX APPRO JACM593 395
DISTRIBUTION FUNCTION — DETERMINATION OF THREE PERCENTILES OF THE OMEGA-SUB-N JACM574 472
MACHINE A METHOD OF — DETERMINING PLATE BENDING BY USE OF A PUNCHED-CARD JACM543 105
COMPUTATIONAL AIDS FOR — DETERMINING THE MINIMAL FORM OF A TRUTH FUNCTION JACM604 299
ORIGIN AND — DEVELOPMENT OF THE CHINESE ABACUS JACM591 102
A COMPARISON OF METHODS FOR GENERATING NORMAL — DEVIATES ON DIGITAL COMPUTERS JACM593 376
A HIGH-SCANNING-RATE STORAGE — DEVICE FOR COMPUTER APPLICATIONS JACM581 76
CORRELATION COMPUTATION ON ANALOG — DEVICES JACM554 267
INVERSION OF TRIPLE-DIAGONAL — COMPOUND MATRICES JACM621 71
A PROCEDURE FOR THE — DIAGONALIZATION OF NORMAL MATRICES JACM592 176
CTIONS OF ROTATIONS, EXPERIMENTS CONCERNING SPEED OF — DIAGONALIZATION OF SYMMETRIC MATRICES USING JACOBI'S JACM574 459
A — DICTIONARY FOR MINIMUM REDUNDANCY ENCODING JACM634 413
O SOLUTIONS OF BOUNDARY VALUE PROBLEMS INVOLVING THE — DIFFERENCE ANALOGUE OF AN ELLIPTIC PARTIAL DIFFERENTI JACM592 204
AN ELECTRONIC DIFFERENTIAL ANALYZER AS A — DIFFERENCE ANALYZER JACM543 128
EQUATION A STABLE IMPLICIT FINITE — DIFFERENCE APPROXIMATION TO A FOURTH ORDER PARABOLIC JACM571 18
ON THE SOLUTION OF POISSON'S — DIFFERENCE EQUATION JACM584 370
ON 'TWO-LINE' ITERATIVE METHODS FOR THE BIHARMONIC — DIFFERENCE EQUATION SOME COMPUTATIONAL RESULTS JACM613 359
AND SUFFICIENT CONDITION FOR STABILITY OF PARTIAL — DIFFERENCE EQUATION PROBLEMS A NECESSARY JACM602 163
RATES OF RELAXATION PROCEDURES FOR ELLIPTIC PARTIAL — DIFFERENCE EQUATIONS ON THE INCREASE OF CONVERGENCE JACM601 29
DIFFERENTIAL EQUATIONS HIGHER ORDER — DIFFERENCES IN THE ANALOGUE SOLUTION OF PARTIAL JACM564 325
SETS OF TAPES ACCEPTED BY — DIFFERENT TYPES OF AUTOMATA JACM611 81
AN ELECTRONIC — DIFFERENTIAL ANALYZER AS A DIFFERENCE ANALYZER JACM543 128
METHODS OF SIMULATING A — DIFFERENTIAL ANALYZER ON A DIGITAL COMPUTER JACM583 281
BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S — DIFFERENTIAL EQUATION JACM592 226
ON EXPERIMENTS IN APPROXIMATING THE SOLUTION OF A — DIFFERENTIAL EQUATION REPORT JACM561 26
TREATMENT OF A FOURTH ORDER PARABOLIC PART!AL — DIFFERENTIAL EQUATION NUMERICAL JACM543 111
SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY — DIFFERENTIAL EQUATION OPTIMAL MESH JACM621 98
RRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC PARTIAL — DIFFERENTIAL EQUATION OPTIMUM RECU JACM574 467
LVING THE DIFFERENCE ANALOGUE OF AN ELLIPTIC PARTIAL — DIFFERENTIAL EQUATION /BOUNDARY VALUE PROBLEMS INVO JACM592 204
BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S — DIFFERENTIAL EQUATION II JACM601 37
STABLE PREDICTOR-CORRECTOR METHODS FOR ORDINARY — DIFFERENTIAL EQUATIONS JACM591 37
STABILITY OF A NUMERICAL SOLUTION OF — DIFFERENTIAL EQUATIONS JACM592 196
LUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER ORDER — DIFFERENTIAL EQUATIONS AN EVA JACM614 637
ORDER METHODS FOR THE NUMERICAL SOLUTION OF ORDINARY — DIFFERENTIAL EQUATIONS FIFTH- JACM621 64
DIFFERENCES IN THE ANALOGUE SOLUTION OF PARTIAL — DIFFERENTIAL EQUATIONS HIGHER ORDER JACM564 325
OPERTIES OF PREDICTOR-CORRECTOR METHODS FOR ORDINARY — DIFFERENTIAL EQUATIONS STABILITY PR JACM624 457
APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER — DIFFERENTIAL EQUATIONS /STRUCTION OF TAYLOR SERIES JACM613 374
NCATION ERRORS IN THE NUMERICAL SOLUTION OF ORDINARY — DIFFERENTIAL EQUATIONS BY REPEATED CLOSURES /OF TRU JACM551 5
A NUMERICAL METHOD FOR SOLVING CONTROL — DIFFERENTIAL EQUATIONS ON DIGITAL COMPUTERS JACM601 61
A KUTTA THIRD-ORDER PROCEDURE FOR SOLVING — DIFFERENTIAL EQUATIONS REQUIRING MINIMUM STORAGE JACM561 22
STABILITY OF A NUMERICAL SOLUTION OF — DIFFERENTIAL EQUATIONS, PART II JACM601 46
RATES OF CONVERGENCE IN NUMERICAL SOLUTION OF THE — DIFFUSION EQUATION JACM561 29
VS. EXPLICIT RECURRENCE FORMULAS FOR THE LINEAR — DIFFUSION EQUATION IMPLICIT JACM551 42

THE DIGITAL APPROXIMATION OF CONTOURS JACM564 355
REMARKS ON 'THE DIGITAL APPROXIMATION OF CONTOURS' JACM574 524
A SYSTEM FOR GENERAL-PURPOSE ANALOG-DIGITAL COMPUTATION JACM571 12
ON THE RECOGNITION OF INFORMATION WITH A DIGITAL COMPUTER JACM572 178

THE DIGITAL APPROXIMATION OF CONTOURS JACM564 355
REMARKS ON 'THE DIGITAL APPROXIMATION OF CONTOURS' JACM574 524
A SYSTEM FOR GENERAL-PURPOSE ANALOG-DIGITAL COMPUTATION JACM571 12
ON THE RECOGNITION OF INFORMATION WITH A DIGITAL COMPUTER JACM572 178
METHODS OF SIMULATING A DIFFERENTIAL ANALYZER ON A DIGITAL COMPUTER JACM583 281
ALGEBRA OF POLYNOMIALS IN SEVERAL VARIABLES FOR A DIGITAL COMPUTER JACM621 29
GEBRAIC AND TRANSCENDENTAL EQUATIONS ON AN AUTOMATIC DIGITAL COMPUTER SOLUTION OF AL JACM591 97
OFFICE OF NAVAL RESEARCH DIGITAL COMPUTER NEWSLETTER SEE DCN
PROBLEMS IN ACCEPTANCE TESTING OF DIGITAL COMPUTERS JACM542 82
ON THE DEMONSTRATION OF HIGH-SPEED DIGITAL COMPUTERS JACM544 177
RADIX EXCHANGE, AN INTERNAL SORTING METHOD FOR DIGITAL COMPUTERS JACM592 156
GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL COMPUTERS JACM593 366
FEATURES FOR A MORE AUTOMATIC MONITORING SYSTEM ON DIGITAL COMPUTERS MACHINE JACM572 172
CF METHODS FOR GENERATING NORMAL DEVIATES ON DIGITAL COMPUTERS A COMPARISON JACM593 376
METHOD FOR SOLVING CONTROL DIFFERENTIAL EQUATIONS ON DIGITAL COMPUTERS A NUMERICAL JACM601 61
DIGITAL COMPUTERS FOR REAL-TIME SIMULATION JACM553 186
ARITHMETICAL ANALYSIS OF DIGITAL COMPUTING NETS JACM564 360
ON THE GENERATION OF ERRORS IN THE DIGITAL EVALUATION OF CONTINUED FRACTIONS JACM563 199
ON EXPONENTIAL DIGITAL FILTERS JACM592 283
SIMULATION OF DIGITAL FILTERS ON AN ELECTRONIC ANALOG COMPUTER JACM561 16
THE UNIVERSAL ELECTRONIC DIGITAL MACHINE (URAL) FOR ENGINEERING RESEARCH JACM574 511
AND MERSENNE PRIMES FOR THE DESIGN OF A HIGH-SPEED DIGITAL MULTIPLIER THE USE OF INDEX CALCULUS JACM611 87
DIGITAL PATTERN RECOGNITION BY MOMENTS JACM622 240
CHANGING FROM ANALOG TO DIGITAL PROGRAMMING BY DIGITAL TECHNIQUES JACM601 10
ESK-CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATIONS A SIMPLE D JACM553 205
TWO-DIMENSIONAL PARITY CHECKING JACM612 186
NUMERICAL QUADRATURE IN MANY DIMENSIONS JACM592 219
ERROR ANALYSIS OF DIRECT METHODS OF MATRIX INVERSION JACM613 281
PROBLEMS 'DIRECT SEARCH' SOLUTION OF NUMERICAL AND STATISTICAL JACM612 212
MIXED BOUNDARY CONDITIONS ON AN ALTERNATING DIRECTION METHOD FOR SOLVING THE PLATE PROBLEM WITH JACM603 264
VARIABLES ALTERNATING DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE JACM624 450
ORDVAC SOLUTIONS OF THE DIRICHLET PROBLEM JACM553 137
ERROR OF DISCRETE APPROXIMATIONS TO THE SOLUTIONS OF DIRICHLET PROBLEMS IN A DOMAIN WITH CORNERS /ATION JACM581 32
PROBLEMS IN A DOMAIN/ ON THE TRUNCATION ERROR OF DISCRETE APPROXIMATIONS TO THE SOLUTIONS OF DIRICHLET JACM581 32
AN ALGORITHM FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA JACM633 283
THE LENGTH OF THE SMALLEST UNIFORM EXPERIMENT WHICH DISTINGUISHES THE TERMINAL STATES OF A MACHINE ON JACM583 266
HYDRODYNAMIC PROBLEMS INVOLVING LARGE FLUID DISTORTIONS JACM572 137
ETERMINATION OF THREE PERCENTILES OF THE OMEGA-SUB-N DISTRIBUTION FUNCTION D JACM574 472
OF STOCHASTIC GENERATORS ON A WEIGHT DISTRIBUTION PROBLEM, WITH APPLICATION TO THE DESIGN JACM631 110
AUTOMATIC DOCUMENT CLASSIFICATION JACM632 151
INFORMATION ASSOCIATIVE DOCUMENT RETRIEVAL TECHNIQUES USING BIBLIOGRAPHIC JACM634 440
IMATIONS TO THE SOLUTIONS OF DIRICHLET PROBLEMS IN A DOMAIN WITH CORNERS /ATION ERROR OF DISCRETE APPROX JACM581 32
METHODS FOR SIMPLIFYING SWITCHING CIRCUITS USING 'DONT CARE' CONDITIONS SOME JACM614 497
CONDENSATION AND LOOK-UP PROCEDURES FOR DOUBLE ENTRY TABLES JACM574 456
MECHANICAL GAME PLAYING PROGRAM FOR DOUBLE-DUMMY BRIDGE PROBLEMS, A NEW STRATEGY FOR JACM633 357
THE DOWN-HILL METHOD OF SOLVING F(Z) = 0 JACM572 148
A NOTE ON THE DOWNHILL METHOD JACM592 223
THE IBM MAGNETIC DRUM CALCULATOR TYPE 650 JACM541 13

UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM DATA PROCESSING MACHINE PUBLIC JACM544 173
MINIMIZING DRUM LATENCY TIME JACM612 119
COMPUTER A DUAL MASTER FILE SYSTEM FOR A TAPE PROCESSING JACM584 319
SEQUENTIAL MACHINES, AMBIGUITY, AND DYNAMIC PROGRAMMING JACM601 24
OR OBTAINING SUBOPTIMAL GROUP-TESTING POLICIES USING DYNAMIC PROGRAMMING AND INFORMATION THEORY /ETHOD F JACM631 89
SYSTEMS ON AN APPLICATION OF DYNAMIC PROGRAMMING TO THE SYNTHESIS OF LOGICAL JACM594 486
SALESMAN PROBLEM DYNAMIC PROGRAMMING TREATMENT OF THE TRAVELLING JACM621 61
SYSTEM SPECIFICATIONS FOR THE DYSEAC JACM542 57
EASIAC, A PSEUDO-COMPUTER JACM562 65
ECONOMIZATION OF RATIONAL FUNCTIONS JACM633 278
LETTER TO THE EDITOR ON 'A METHOD FOR TRANSPOSING A MATRIX' JACM592 305
LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM602 187
LETTERS TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM611 117
LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM614 649
LETTER TO THE EDITOR ON 'ANALYSIS OF INTERNAL COMPUTER SORTING' JACM614 649
ES' LETTER TO THE EDITOR ON 'COMPUTER GENERATION OF OPTIMIZED SUBROUTIN JACM614 648
MATRIX EFFECT OF PROPAGATED ERROR ON INVERSE OF HILBERT JACM571 36
MEMORY EFFICIENCY JACM592 172
A METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION JACM573 329
ERRATUM IN 'A METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION' JACM574 540
EFFICIENCY OF PREDICTOR-CORRECTOR PROCEDURES JACM633 291
RUNNING A COMPUTER EFFICIENTLY JACM543 124
THE SHARE 709 SYSTEM, A COOPERATIVE EFFORT JACM592 123
A MODIFIED GIVENS METHOD FOR THE EIGENVALUE EVALUATION OF LARGE MATRICES JACM613 331
AN ITERATIVE PROCEDURE FOR THE CALCULATION OF THE EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATR JACM563 223
PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRIC JACM621 41
PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRIC JACM624 522
ES ON THE CODING OF JACOBI'S METHOD FOR COMPUTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRIC JACM632 123
PROCEDURE FOR THE CALCULATION OF THE EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX /ITERATIVE JACM563 223
ING OF JACOBI'S METHOD FOR COMPUTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES ON THE COD JACM632 123
TRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES /ARIABLE' S JACM621 41
TRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES' /RIABLE' S JACM624 522
SYMBOLIC DESIGNATIONS FOR ELECTRICAL CONNECTIONS JACM574 420
ANALOGUE STUDY OF ELECTRON TRAJECTORIES JACM551 28
SIMULATION OF DIGITAL FILTERS ON AN ELECTRONIC ANALOG COMPUTER JACM561 16
NCES OF THE U.S.S.R. THE HIGH-SPEED ELECTRONIC CALCULATING MACHINE OF THE ACADEMY OF SCIE JACM563 129
MECHANICAL PROOF PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC COMPUTER A JACM602 102
ARITHMETIC OPERATIONS PARTICULARLY AS REGARDS FINAC ELECTRONIC COMPUTER ERRORS DUE TO OVERFLOW IN JACM574 450
SORTING ON ELECTRONIC COMPUTER SYSTEMS JACM563 134
GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA PROCESSING JACM591 1
THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR BUSINESS JACM544 149
ANALYZER AN ELECTRONIC DIFFERENTIAL ANALYZER AS A DIFFERENCE JACM543 128
RESEARCH THE UNIVERSAL ELECTRONIC DIGITAL MACHINE (URAL) FOR ENGINEERING JACM574 511
INSURANCE PREMIUM BILLING AND COMBINED OPERATIONS BY ELECTRONIC EQUIPMENT LIFE JACM541 7
MATRIX TO ALMOST TRIANGULAR AND TRIANGULAR FORMS BY ELEMENTARY SIMILARITY TRANSFORMATIONS /DUCTION OF A JACM593 336
MATRIX USING FERROELECTRIC CONDENSERS AS BISTABLE ELEMENTS MEMORY JACM553 169
RSE OF AN ARBITRARY COMPLEX MATRIX AN ELIMINATION METHOD FOR COMPUTING THE GENERALIZED INVE JACM634 532
AN AUTOMATIC PROGRAMMING ROUTINE FOR THE ELLIOTT 401 JACM572 151

NEW FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND JACM594 515
FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS JACM632 126
ERRATUM IN 'FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS' JACM633 412

RSE OF AN ARBITRARY COMPLEX MATRIX — AN ELIMINATION METHOD FOR COMPUTING THE GENERALIZED INVE JACM572 151
AN AUTOMATIC PROGRAMMING ROUTINE FOR THE ELLIOTT 401

NEW FORMULAS FOR COMPUTING INCOMPLETE — ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND — JACM594 515
FORMULAS FOR COMPUTING INCOMPLETE — ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS — JACM632 126
ERRATUM IN 'FORMULAS FOR COMPUTING INCOMPLETE — ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS' — JACM633 412
SE OF CONVERGENCE RATES OF RELAXATION PROCEDURES FOR — ELLIPTIC PARTIAL DIFFERENCE EQUATIONS ON THE INCREA — JACM601 29
LUE PROBLEMS INVOLVING THE DIFFERENCE ANALOGUE OF AN — ELLIPTIC PARTIAL DIFFERENTIAL EQUATION /BOUNDARY VA — JACM592 204
GENERATOR — EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER — JACM594 527
A DICTIONARY FOR MINIMUM REDUNDANCY — ENCODING — JACM634 413
COMPUTATIONS IN THE FIELD OF — ENGINEERING CHEMISTRY — JACM574 393
THE UNIVERSAL ELECTRONIC DIGITAL MACHINE (URAL) FOR — ENGINEERING RESEARCH — JACM574 511
A COMPUTATIONAL APPROACH TO GRAMMATICAL CODING OF — ENGLISH WORDS — JACM633 334
A STUDY OF METHODS FOR SYSTEMATICALLY ABBREVIATING — ENGLISH WORDS AND NAMES — JACM614 538
CONDENSATION AND LOOK-UP PROCEDURES FOR DOUBLE — ENTRY TABLES — JACM574 456
TECHNIQUES FOR — ENUMERATING VEBLEN-WEDDERBURN SYSTEMS — JACM604 330
INDEXING OF THE WORDS 'EQUATION(S)' HAS BEEN PREVENTED 38 TIMES
BILLING AND COMBINED OPERATIONS BY ELECTRONIC — EQUIPMENT LIFE INSURANCE PREMIUM — JACM541 7
COMPUTERS — EQUIPMENT RELIABILITY AS APPLIED TO ANALOGUE — JACM541 21
AN INTEGRATED COMPUTATION SYSTEM FOR THE — ERA-1103 — JACM563 181
SOME PROGRAMMING TECHNIQUES FOR THE — ERMETH — JACM551 1
MONTE CARLO INTEGRATION' — ERRATUM IN 'A METHOD FOR INCREASING THE EFFICIENCY OF — JACM574 540
C INTEGRALS OF THE FIRST AND SECOND KINDS' — ERRATUM IN 'FORMULAS FOR COMPUTING INCOMPLETE ELLIPTI — JACM633 412
UCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INP/ — ERRATUM IN 'ON A COMPUTER PROGRAM FOR OBTAINING IRRED — JACM632 256
ON THE MIDAC' — ERRATUM IN 'SOME EXPERIMENTS IN IDEAL FACTORIZATION — JACM561 43
— ERROR ANALYSIS OF DIRECT METHODS OF MATRIX INVERSION — JACM613 281
A GENERALIZATION OF A THEOREM OF CARR ON — ERROR BOUNDS FOR RUNGE-KUTTA PROCEDURES — JACM601 57
INTEGRATION PROCESS — ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP — JACM581 39
ON SOME — ERROR BOUNDS OF GIVENS — JACM582 127
GENERATED — ERROR IN ROTATIONAL TRIDIAGONALIZATION — JACM584 335
TRUNCATION — ERROR IN THE GRAEFFE ROOT-SQUARING METHOD — JACM601 69
ROUND-OFF — ERROR IN THE NUMERICAL SOLUTION OF THE HEAT EQUATION — JACM591 48
DIRICHLET PROBLEMS IN A DOMAIN/ ON THE TRUNCATION — ERROR OF DISCRETE APPROXIMATIONS TO THE SOLUTIONS OF — JACM581 32
EFFECT OF PROPAGATED — ERROR ON INVERSE OF HILBERT MATRIX — JACM571 36
CULARLY AS REGARDS FINAC ELECTRONIC COMPUTER — ERRORS DUE TO OVERFLOW IN ARITHMETIC OPERATIONS PARTI — JACM574 450
PREVENTION OF PROPAGATION OF MACHINE — ERRORS IN LONG PROBLEMS — JACM564 348
NS ON THE GENERATION OF — ERRORS IN THE DIGITAL EVALUATION OF CONTINUED FRACTIO — JACM563 199
TIAL EQUATIONS BY REPEA/ PROPAGATION OF TRUNCATION — ERRORS IN THE NUMERICAL SOLUTION OF ORDINARY DIFFEREN — JACM551 5
PROCEDURES THE APPLICATION OF SEQUENTIAL — ESTIMATION TO COMPUTER SIMULATION AND MONTE CARLO — JACM584 343
ON THE GENERATION OF ERRORS IN THE DIGITAL — EVALUATION OF CONTINUED FRACTIONS — JACM563 199
BESSEL FUNCTIONS AND CIRCULAR FUNCTIONS — EVALUATION OF INTEGRALS INVOLVING COMBINATIONS OF — JACM582 119
A MODIFIED GIVENS METHOD FOR THE EIGENVALUE — EVALUATION OF LARGE MATRICES — JACM613 331
SIMULATION TECHNIQUES FOR THE TEST AND — EVALUATION OF REAL-TIME COMPUTER PROGRAMS — JACM573 354
ORDER DIFFERENTIAL EQUATIONS AN — EVALUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER — JACM614 637
A GENERAL CARD-PROGRAM FOR THE — EVALUATION OF THE INVERSE LAPLACE TRANSFORM — JACM551 18
BURROUGHS TRUTH FUNCTION — EVALUATOR — JACM572 189
REALIZATION OF — EVENTS BY LOGICAL NETS — JACM582 181
COMPUTERS RADIX — EXCHANGE, AN INTERNAL SORTING METHOD FOR DIGITAL — JACM592 156
PACT LOOP — EXPANSION — JACM564 292
A MACHINE ON THE LENGTH OF THE SMALLEST UNIFORM — EXPERIMENT WHICH DISTINGUISHES THE TERMINAL STATES OF — JACM583 266
AUTOMATIC INDEXING, AN — EXPERIMENTAL INQUIRY — JACM613 404

TION FOR USE WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL STUDY FEATURE WORD CONSTRUC JACM634 458
MMETRIC MATRIC/ MAXIMIZING FUNCTIONS OF ROTATIONS, EXPERIMENTS CONCERNING SPEED OF DIAGONALIZATION OF SY JACM574 459
LEAST UPPER BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENTIAL MACHINES JACM614 601
DIFFERENTIAL EQUATION REPORT ON EXPERIMENTS IN APPROXIMATING THE SOLUTION OF A JACM561 26
EXPERIMENTS IN CHESS JACM572 174
SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC JACM552 111
ERRATUM IN 'SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC' JACM561 43
DATA FITTING SWAC EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS FOR JACM581 9
EXPERIMENTS WITH A HEURISTIC COMPILER JACM634 493
EQUATION IMPLICIT VS. EXPLICIT RECURRENCE FORMULAS FOR THE LINEAR DIFFUSION JACM551 42
FRACTIONS ON THE COMPUTATION OF EXPONENTIAL AND HYPERBOLIC FUNCTIONS USING CONTINUED JACM554 262
ON EXPONENTIAL DIGITAL FILTERS JACM592 283
RATIONAL APPROXIMATIONS TO THE EXPONENTIAL FUNCTION JACM571 24
DESIGN OF SEQUENTIAL MACHINES FROM THEIR REGULAR EXPRESSIONS JACM614 585
AN ALGORITHM FOR TRANSLATING BOOLEAN EXPRESSIONS JACM622 222
RALIZED TREE CIRCUIT, THE BASIC BUILDING BLOCK OF AN EXTENDED DECOMPOSITION THEORY GENE JACM634 562
AN EXTENSION OF MILNE'S THREE-POINT METHOD JACM563 212
THE ASSOCIATION FACTOR IN INFORMATION RETRIEVAL JACM612 271
SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC JACM552 111
ERRATUM IN 'SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC' JACM561 43
TWO FAMILIES OF LANGUAGES RELATED TO ALGOL JACM623 350
ACCURACY IN COMPOSITE RULES A FAMILY OF QUADRATURE FORMULAS WHICH ACHIEVE HIGH JACM593 384
ITION ALGORITHMS, AN EXPERIMENTAL STUDY FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGN JACM634 458
DIGITAL COMPUTERS MACHINE FEATURES FOR A MORE AUTOMATIC MONITORING SYSTEM ON JACM572 172
MEMORY MATRIX USING FERROELECTRIC CONDENSERS AS BISTABLE ELEMENTS JACM553 169
TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT JACM554 243
TEST OF AN INVENTORY CONTROL SYSTEM ON FERUT JACM572 121
ORDINARY DIFFERENTIAL EQUATIONS FIFTH-ORDER METHODS FOR THE NUMERICAL SOLUTION OF JACM621 64
A DUAL MASTER FILE SYSTEM FOR A TAPE PROCESSING COMPUTER JACM584 319
LOCATING THE LARGEST WORD IN A FILE USING A MODIFIED MEMORY JACM613 418
A MODIFICATION OF FILON'S METHOD OF NUMERICAL INTEGRATION JACM602 181
ON EXPONENTIAL DIGITAL FILTERS JACM592 283
SIMULATION OF DIGITAL FILTERS ON AN ELECTRONIC ANALOG COMPUTER JACM561 16
DESIGN OF NUMERICAL FILTERS WITH APPLICATIONS TO MISSILE DATA PROCESSING JACM613 440
LOW IN ARITHMETIC OPERATIONS PARTICULARLY AS REGARDS FINAC ELECTRONIC COMPUTER ERRORS DUE TO OVERF JACM574 450
A METHOD FOR FINDING ALL THE ZEROS OF F(Z) JACM634 545
FINDING ZEROS OF ARBITRARY FUNCTIONS JACM582 154
A DECISION PROCEDURE FOR COMPUTATIONS OF FINITE AUTOMATA JACM623 315
TURING MACHINES, FINITE AUTOMATA AND NEURAL NETS JACM614 467
FINITE AUTOMATA AND THE SET OF SQUARES JACM634 528
FINITE AUTOMATA, PATTERN RECOGNITION AND PERCEPTRONS JACM611 1
PARABOLIC EQUATION A STABLE IMPLICIT FINITE DIFFERENCE APPROXIMATION TO A FOURTH ORDER JACM571 18
EST MINIMAX APPROXIMATION TO A FUNCTION DEFINED ON A FINITE POINT SET /ERMINATION OF THE POLYNOMIAL OF B JACM593 395
FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND NEW FORMULAS JACM594 515
FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS FORMULAS JACM632 126
FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS' ERRATUM IN 'FORMULAS JACM633 412
ERICAL SOLUTION OF CERTAIN INTEGRAL EQUATIONS OF THE FIRST KIND A TECHNIQUE FOR THE NUM JACM621 84
RICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND BY THE INVERSION OF THE LINEAR SYSTEM PROD JACM631 97

YLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER DIFFERENTIAL EQUATIONS /STRUCTION OF TA JACM613 374
ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING SWAC EXPERIMENTS JACM581 9
A CHEBYCHEFF FITTING CRITERION JACM581 22

YLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER DIFFERENTIAL EQUATIONS /STRUCTION OF TA JACM613 374
ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING SWAC EXPERIMENTS JACM581 9
A CHEBYCHEFF FITTING CRITERION JACM581 22
AN ALGORITHM FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA JACM633 283
PROCEDURES FOR CONTINUED FRACTIONS METHODS FOR FITTING RATIONAL APPROXIMATIONS, PART I, TELESCOPING JACM602 150
METHODS FOR FITTING RATIONAL APPROXIMATIONS, PARTS II AND III JACM633 257
WORDS IN THE HISTORY OF A TURING MACHINE WITH A FIXED INPUT JACM634 526
ON OF EIGENVALUES AND EIGENVEC/ ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATI JACM621 41
ON/ CORRECTION AND ADDENDUM TO 'ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATI JACM624 522
UNNORMALIZED FLOATING POINT ARITHMETIC JACM593 415
FLOATING-POINT ARITHMETICS JACM602 129
AUTOMATIC PREPARATION OF FLOW CHART LISTINGS JACM581 57
A NUMERICAL METHOD OF SOLVING A HEAT FLOW PROBLEM WITH MOVING BOUNDARY JACM582 161
HYDRODYNAMIC PROBLEMS INVOLVING LARGE FLUID DISTORTIONS JACM572 137
NUMERICAL SOLUTION OF CHARACTERISTIC EQUATIONS IN FLUTTER ANALYSIS ON THE JACM581 45
MATRICES' FOOTNOTE TO 'THE JACOBI METHOD FOR REAL SYMMETRIC JACM601 78
INDEXING OF THE WORD 'FOR' HAS BEEN PREVENTED 129 TIMES
A FUNCTIONAL CANONICAL FORM JACM592 245
MULTIFUNCTIONAL CIRCUITS IN FUNCTIONAL CANONICAL FORM JACM594 538
COMPUTATION OF THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABLES JACM603 245
COMPUTATIONAL AIDS FOR DETERMINING THE MINIMAL FORM OF A TRUTH FUNCTION JACM604 299
MINIMUM TOTAL WIRE LENGTH FORMAL PROCEDURES FOR CONNECTING TERMINALS WITH A JACM574 428
TION OF A MATRIX TO ALMOST TRIANGULAR AND TRIANGULAR FORMS BY ELEMENTARY SIMILARITY TRANSFORMATIONS /DUC JACM593 336
STABILITY OF A GENERALIZED CORRECTOR FORMULA JACM621 104
NTIAL EQUATION OPTIMUM RECURRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC PARTIAL DIFFERE JACM574 467
OF THE FIRST AND SECOND KIND NEW FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS JACM594 515
OF THE FIRST AND SECOND KINDS FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS JACM632 126
OF THE FIRST AND SECOND KINDS' ERRATUM IN 'FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS JACM633 412
IMPLICIT VS. EXPLICIT RECURRENCE FORMULAS FOR THE LINEAR DIFFUSION EQUATION JACM551 42
RULES A FAMILY OF QUADRATURE FORMULAS WHICH ACHIEVE HIGH ACCURACY IN COMPOSITE JACM593 384
INTEGER PROGRAMMING FORMULATION OF TRAVELING SALESMAN PROBLEMS JACM604 326
INPUT-OUTPUT BUFFERING AND FORTRAN JACM601 1
A FORTRAN-COMPILED LIST-PROCESSING LANGUAGE JACM602 87
STABLE IMPLICIT FINITE DIFFERENCE APPROXIMATION TO A FOURTH ORDER PARABOLIC EQUATION A JACM571 18
NUMERICAL TREATMENT OF A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION JACM543 111
OPTIMUM RECURRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION JACM574 467
OF ERRORS IN THE DIGITAL EVALUATION OF CONTINUED FRACTIONS ON THE GENERATION JACM563 199
EXPONENTIAL AND HYPERBOLIC FUNCTIONS USING CONTINUED FRACTIONS ON THE COMPUTATION OF JACM554 262
ATIONS, PART I, TELESCOPING PROCEDURES FOR CONTINUED FRACTIONS METHODS FOR FITTING RATIONAL APPROXIM JACM602 150
F POLYNOMIALS, RATIONAL APPROXIMATIONS AND CONTINUED FRACTIONS REPRESENTATION OF POWER SERIES IN TERMS O JACM614 613
INVERSION OF THE LIN/ ON THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND BY THE JACM631 97
PROPOSED METHODS FOR THE ANALOG SOLUTION OF FREDHOLM'S INTEGRAL EQUATION JACM584 357
NORMAL VARIABLES COMPUTATION OF THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM JACM603 245
PROGRAM THAT SOLVES SYMBOLIC INTEGRATION PROBLEMS IN FRESHMAN CALCULUS A HEURISTIC JACM634 507
INDEXING OF THE WORD 'FROM' HAS BEEN PREVENTED 4 TIMES
RATIONAL APPROXIMATIONS TO THE EXPONENTIAL FUNCTION JACM571 24
A NOTE ON A METHOD OF COMPUTING THE GAMMA FUNCTION JACM604 387
AIDS FOR DETERMINING THE MINIMAL FORM OF A TRUTH FUNCTION COMPUTATIONAL JACM604 299

OF THREE PERCENTILES OF THE OMEGA-SUB-N DISTRIBUTION FUNCTION DETERMINATION JACM574 472
CHEBYSHEV APPROXIMATION OF A CONTINUOUS FUNCTION BY A CLASS OF FUNCTIONS JACM571 30
OF THE POLYNOMIAL OF BEST MINIMAX APPROXIMATION TO A FUNCTION DEFINED ON A FINITE POINT SET /ERMINATION JACM593 395
BURROUGHS TRUTH FUNCTION EVALUATOR JACM572 189
ES COMPUTATION OF THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABL JACM603 245
LOGIC MATRICES AND THE TRUTH FUNCTION PROBLEM JACM593 405
SINGLE FUNCTION SHIFTING COUNTERS JACM623 375
POTENTIOMETERS TRANSFER FUNCTION SIMULATION BY MEANS OF AMPLIFIERS AND JACM563 186
A SEMI-DECISION PROCEDURE FOR THE FUNCTIONAL CALCULUS JACM631 1
A FUNCTIONAL CANONICAL FORM JACM592 245
MULTIFUNCTIONAL CIRCUITS IN FUNCTIONAL CANONICAL FORM JACM594 538
SYSTEM HANDLING OF FUNCTIONAL OPERATORS JACM612 168
SIMPLIFICATION OF A CLASS OF BOOLEAN FUNCTIONS JACM581 67
FINDING ZEROS OF ARBITRARY FUNCTIONS JACM582 154
SEQUENTIAL FUNCTIONS JACM582 177
ON THE INVERSION COMPLEXITY OF A SYSTEM OF FUNCTIONS JACM584 331
ZEROS OF NONLINEAR FUNCTIONS JACM613 366
THE NUMBER OF CLASSES OF INVERTIBLE BOOLEAN FUNCTIONS JACM631 25
COMPUTABILITY OF RECURSIVE FUNCTIONS JACM632 217
ECONOMIZATION OF RATIONAL FUNCTIONS JACM633 278
FOR OBTAINING SPECIFIC VALUES OF COMPILING-PARAMETER FUNCTIONS A METHOD JACM623 379
APPROXIMATION OF A CONTINUOUS FUNCTION BY A CLASS OF FUNCTIONS CHEBYSHEV JACM571 30
FOR THE INVERSE LAPLACE TRANSFORM OF RATIONAL FUNCTIONS A 'CURVE PLOTTING' ROUTINE JACM581 52
OLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCULAR FUNCTIONS EVALUATION OF INTEGRALS INV JACM582 119
UATION OF INTEGRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCULAR FUNCTIONS EVAL JACM582 119
CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP MEASUREMENTS JACM583 289
GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL COMPUTERS JACM593 366
OF DIAGONALIZATION OF SYMMETRIC MATRIC/ MAXIMIZING FUNCTIONS OF ROTATIONS, EXPERIMENTS CONCERNING SPEED JACM574 459
ON THE COMPUTATION OF EXPONENTIAL AND HYPERBOLIC FUNCTIONS USING CONTINUED FRACTIONS JACM554 262
AUTOMATIC STRAIN-GAGE AND THERMOCOUPLE RECORDING ON PUNCHED CARDS JACM541 36
DUMMY BRIDGE PROBLEMS, A NEW STRATEGY FOR MECHANICAL GAME PLAYING PROGRAM FOR DOUBLE- JACM633 357
A NOTE ON A METHOD OF COMPUTING THE GAMMA FUNCTION JACM604 387
COMPUTER WITH A VERY LARGE MEMORY A GENERAL ANALYSIS OF VARIANCE SCHEME APPLICABLE TO A JACM594 469
INVERSE LAPLACE TRANSFORM A GENERAL CARD-PROGRAM FOR THE EVALUATION OF THE JACM551 18
THE IBM 701 COMPUTER A GENERAL SYSTEM FOR HANDLING ALPHAMERIC INFORMATION ON JACM563 175
LANGUAGES A GENERAL TRANSLATION PROGRAM FOR PHRASE STRUCTURE JACM621 1
THE METHOD OF REDUCED MATRICES FOR A GENERAL TRANSPORTATION PROBLEM JACM573 308
A SYSTEM FOR GENERAL-PURPOSE ANALOG-DIGITAL COMPUTATION JACM571 12
A NOTE ON THE SELF-CONSISTENCY OF DEFINITIONS OF GENERALIZATION AND INDUCTIVE INFERENCE JACM622 280
FOR RUNGE-KUTTA PROCEDURES A GENERALIZATION OF A THEOREM OF CARR ON ERROR BOUNDS JACM601 57
PROCESSING GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA JACM591 1
STABILITY OF A GENERALIZED CORRECTOR FORMULA JACM621 104
CALCULATION OF GENERALIZED HYPERGEOMETRIC SERIES JACM544 170
AN ELIMINATION METHOD FOR COMPUTING THE GENERALIZED INVERSE OF AN ARBITRARY COMPLEX MATRIX JACM634 532
GENERALIZED SIMULATION OF POST OFFICE SYSTEMS JACM612 252
A GENERALIZED TREE CIRCUIT JACM614 484
AN EXTENDED DECOMPOSITION THEORY GENERALIZED TREE CIRCUIT, THE BASIC BUILDING BLOCK OF JACM634 562
GENERATED ERROR IN ROTATIONAL TRIDIAGONALIZATION JACM584 335

A SYSTEM FOR GENERATING 'PRONOUNCEABLE' NAMES USING A COMPUTER JACM611 97
A COMPARISON OF METHODS FOR GENERATING NORMAL DEVIATES ON DIGITAL COMPUTERS JACM593 376
CONTINUED FRACTIONS ON THE GENERATION OF ERRORS IN THE DIGITAL EVALUATION OF JACM563 199
COMPUTER GENERATION OF OPTIMIZED SUBROUTINES JACM611 104

A SYSTEM FOR GENERATING 'PRONOUNCEABLE' NAMES USING A COMPUTER JACM611 97
A COMPARISON OF METHODS FOR GENERATING NORMAL DEVIATES ON DIGITAL COMPUTERS JACM593 376
CONTINUED FRACTIONS ON THE GENERATION OF ERRORS IN THE DIGITAL EVALUATION OF JACM563 199
COMPUTER GENERATION OF OPTIMIZED SUBROUTINES JACM611 104
LETTER TO THE EDITOR ON 'COMPUTER GENERATION OF OPTIMIZED SUBROUTINES' JACM614 648
SERIAL CORRELATION IN THE GENERATION OF PSEUDO-RANDOM NUMBERS JACM601 72
CALCULATOR THE GENERATION OF PSEUDO-RANDOM NUMBERS ON A DECIMAL JACM542 88
COMPUTERS GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL JACM593 366
LANGUAGES DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE MECHANICAL JACM632 196
EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR JACM594 527
A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM601 75
NOTES ON A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM612 163
ROBLEM, WITH APPLICATION TO THE DESIGN OF STOCHASTIC GENERATORS ON A WEIGHT DISTRIBUTION P JACM631 110
MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL MACHINES JACM632 131
SYNTHESIS OF BINARY RING COUNTERS OF GIVEN PERIODS JACM603 287
ON SOME ERROR BOUNDS OF GIVENS JACM582 127
MATRICES A MODIFIED GIVENS METHOD FOR THE EIGENVALUE EVALUATION OF LARGE JACM613 331
RESULTANT PROCEDURE AND THE MECHANIZATION OF THE GRAEFFE PROCESS JACM604 346
ON THE REDUCTION OF NUMBER RANGE IN THE USE OF THE GRAEFFE PROCESS JACM634 538
TRUNCATION ERROR IN THE GRAEFFE ROOT-SQUARING METHOD JACM601 69
MODERN MATRIX ITERATION PROCESSES OF BERNOULLI AND GRAEFFE TYPE ON JACM583 246
A COMPUTATIONAL APPROACH TO GRAMMATICAL CODING OF ENGLISH WORDS JACM633 334
UTOMATON AND ITS OPERATION-PRESERVING TRANSFORMATION GROUP THE STRUCTURE OF AN A JACM623 345
INFORMATION THE/ A METHOD FOR OBTAINING SUBOPTIMAL GROUP-TESTING POLICIES USING DYNAMIC PROGRAMMING AND JACM631 89
ISOMORPHISM GROUPS OF AUTOMATA JACM624 469
COMPUTER A GENERAL SYSTEM FOR HANDLING ALPHAMERIC INFORMATION ON THE IBM 701 JACM563 175
COMPUTER-FEASIBLE METHOD FOR HANDLING INCOMPLETE DATA IN REGRESSION ANALYSIS JACM612 201
SYSTEM HANDLING OF FUNCTIONAL OPERATORS JACM612 168
THE DESIGN AND USE OF HAZARD-FREE SWITCHING NETWORKS JACM571 47
ROUND-OFF ERROR IN THE NUMERICAL SOLUTION OF THE HEAT EQUATION JACM591 48
A NUMERICAL METHOD OF SOLVING A HEAT FLOW PROBLEM WITH MOVING BOUNDARY JACM582 161
A PROPERTY OF SEMI-DEFINITE HERMITIAN MATRICES JACM583 244
EXPERIMENTS WITH A HEURISTIC COMPILER JACM634 493
PROBLEMS IN FRESHMAN CALCULUS A HEURISTIC PROGRAM THAT SOLVES SYMBOLIC INTEGRATION JACM634 507
A FAMILY OF QUADRATURE FORMULAS WHICH ACHIEVE HIGH ACCURACY IN COMPOSITE RULES JACM593 384
APPLICATIONS A HIGH-SCANNING-RATE STORAGE DEVICE FOR COMPUTER JACM581 76
PROBLEM A HIGH-SPEED COMPUTER TECHNIQUE FOR THE TRANSPORTATION JACM582 132
ON THE DEMONSTRATION OF HIGH-SPEED DIGITAL COMPUTERS JACM544 177
CALCULUS AND MERSENNE PRIMES FOR THE DESIGN OF A HIGH-SPEED DIGITAL MULTIPLIER THE USE OF INDEX JACM611 87
EMY OF SCIENCES OF THE U.S.S.R. THE HIGH-SPEED ELECTRONIC CALCULATING MACHINE OF THE ACAD JACM563 129
PARTIAL DIFFERENTIAL EQUATIONS HIGHER ORDER DIFFERENCES IN THE ANALOGUE SOLUTION OF JACM564 325
AN EVALUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER ORDER DIFFERENTIAL EQUATIONS JACM614 637
EFFECT OF PROPAGATED ERROR ON INVERSE OF HILBERT MATRIX JACM571 36
WORDS IN THE HISTORY OF A TURING MACHINE WITH A FIXED INPUT JACM634 526
MATRICES ASSOCIATED WITH THE HITCHCOCK PROBLEM JACM624 409
DISTORTIONS HYDRODYNAMIC PROBLEMS INVOLVING LARGE FLUID JACM572 137
ON THE COMPUTATION OF EXPONENTIAL AND HYPERBOLIC FUNCTIONS USING CONTINUED FRACTIONS JACM554 262
CALCULATION OF GENERALIZED HYPERGEOMETRIC SERIES JACM544 170

THE	IBM MAGNETIC DRUM CALCULATOR TYPE 650	JACM541 13
THE PACT I CODING SYSTEM FOR THE	IBM TYPE 701	JACM564 272
FOR BUSINESS THE	IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE	JACM544 149
PROGRAMMED MULTIPLICATION ON THE	IBM 407	JACM574 442
AN OPTIMIZING PROGRAM FOR THE	IBM 650	JACM561 3
AUTOMATIC CODING FOR THE	IBM 701	JACM554 253
SYSTEM FOR HANDLING ALPHAMERIC INFORMATION ON THE	IBM 701 COMPUTER A GENERAL	JACM563 175
THE	IBM 701 SPEEDCODING SYSTEM	JACM541 4
SOME EXPERIMENTS IN	IDEAL FACTORIZATION ON THE MIDAC	JACM552 111
ERRATUM IN 'SOME EXPERIMENTS IN	IDEAL FACTORIZATION ON THE MIDAC'	JACM561 43
ACCOUNT	IDENTIFICATION FOR AUTOMATIC DATA PROCESSING	JACM573 245
THE SHARE 709 SYSTEM, MACHINE	IMPLEMENTATION OF SYMBOLIC PROGRAMMING	JACM592 134
ORDER PARABOLIC EQUATION A STABLE	IMPLICIT FINITE DIFFERENCE APPROXIMATION TO A FOURTH	JACM571 18
LINEAR DIFFUSION EQUATION	IMPLICIT VS. EXPLICIT RECURRENCE FORMULAS FOR THE	JACM551 42
INDEXING OF THE WORD	'IN' HAS BEEN PREVENTED 52 TIMES	
	INAUGURAL PRESIDENTIAL ADDRESS	JACM571 5
COMPUTER-FEASIBLE METHOD FOR HANDLING	INCOMPLETE DATA IN REGRESSION ANALYSIS	JACM612 201
KIND NEW FORMULAS FOR COMPUTING	INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND	JACM594 515
KINDS FORMULAS FOR COMPUTING	INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND	JACM632 126
KINDS' ERRATUM IN 'FORMULAS FOR COMPUTING	INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND	JACM633 412
S FOR ELLIPTIC PARTIAL DIFFERENCE EQUATIONS ON THE	INCREASE OF CONVERGENCE RATES OF RELAXATION PROCEDURE	JACM601 29
A METHOD FOR	INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION	JACM573 329
ERRATUM IN 'A METHOD FOR	INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION'	JACM574 540
COMPATIBILITY OF STATES IN INPUT-	INDEPENDENT MACHINES	JACM613 400
A HIGH-SPEED DIGITAL MULTIPLIER THE USE OF	INDEX CALCULUS AND MERSENNE PRIMES FOR THE DESIGN OF	JACM611 87
MACHINERY, VOLUMES 1-10, 1954-1963	INDEX TO THE JOURNAL OF THE ASSOCIATION FOR COMPUTING	JACM634 583
AUTHOR	INDEX, 1954-1958	JACM584 397
ON RELEVANCE, PROBABILISTIC	INDEXING AND INFORMATION RETRIEVAL	JACM603 216
AUTOMATIC	INDEXING, AN EXPERIMENTAL INQUIRY	JACM613 404
CONSISTENCY OF DEFINITIONS OF GENERALIZATION AND	INDUCTIVE INFERENCE A NOTE ON THE SELF-	JACM622 280
OF DEFINITIONS OF GENERALIZATION AND INDUCTIVE	INFERENCE A NOTE ON THE SELF-CONSISTENCY	JACM622 280
DOCUMENT RETRIEVAL TECHNIQUES USING BIBLIOGRAPHIC	INFORMATION ASSOCIATIVE	JACM634 440
A GENERAL SYSTEM FOR HANDLING ALPHAMERIC	INFORMATION ON THE IBM 701 COMPUTER	JACM563 175
THE DESIGN AND SIMULATION OF AN	INFORMATION PROCESSING SYSTEM	JACM612 260
ON RELEVANCE, PROBABILISTIC INDEXING AND	INFORMATION RETRIEVAL	JACM603 216
THE ASSOCIATION FACTOR IN	INFORMATION RETRIEVAL	JACM612 271
	INFORMATION RETRIEVAL BASED ON LATENT CLASS ANALYSIS	JACM624 512
	INFORMATION SEARCHING WITH THE 701 CALCULATOR	JACM572 131
GROUP-TESTING POLICIES USING DYNAMIC PROGRAMMING AND	INFORMATION THEORY /ETHOD FOR OBTAINING SUBOPTIMAL	JACM631 89
ON THE RECOGNITION OF	INFORMATION WITH A DIGITAL COMPUTER	JACM572 178
THE PROSPECTS FOR THE UTILIZATION OF	INFORMATIONAL-LOGICAL MACHINES IN CHEMISTRY (USSR)	JACM612 240
IN THE HISTORY OF A TURING MACHINE WITH A FIXED	INPUT WORDS	JACM634 526
ON THE STRUCTURES OF AN AUTOMATON AND ITS	INPUT SEMIGROUP	JACM634 521
COMPATIBILITY OF STATES IN	INPUT-INDEPENDENT MACHINES	JACM613 400
THE SHARE 709 SYSTEM, PROGRAMMED	INPUT-OUTPUT BUFFERING	JACM592 145
	INPUT-OUTPUT BUFFERING AND FORTRAN	JACM601 1
G IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE	INPUT-OUTPUT LOGICAL SYSTEMS /PROGRAM FOR OBTAININ	JACM631 48
G IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE	INPUT-OUTPUT LOGICAL SYSTEMS' /PROGRAM FOR OBTAININ	JACM632 256
THE SHARE 709 SYSTEM,	INPUT-OUTPUT TRANSLATION	JACM592 141
AUTOMATIC INDEXING, AN EXPERIMENTAL	INQUIRY	JACM613 404
PRODUCING COMPUTER	INSTRUCTIONS FOR THE PACT I COMPILER	JACM564 288

THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION JACM592 141
AUTOMATIC INDEXING, AN EXPERIMENTAL INQUIRY JACM613 404
PRODUCING COMPUTER INSTRUCTIONS FOR THE PACT I COMPILER JACM564 288
ELECTRONIC EQUIPMENT LIFE INSURANCE PREMIUM BILLING AND COMBINED OPERATIONS BY JACM541 7
PROBLEMS INTEGER PROGRAMMING FORMULATION OF TRAVELING SALESMAN JACM604 326
METHODS FOR THE ANALOG SOLUTION OF FREDHOLM'S INTEGRAL EQUATION PROPOSED JACM584 357
ON BATEMAN'S METHOD FOR SOLVING LINEAR INTEGRAL EQUATIONS JACM573 314
A TECHNIQUE FOR THE NUMERICAL SOLUTION OF CERTAIN INTEGRAL EQUATIONS OF THE FIRST KIND JACM621 84
OF THE LIN/ ON THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND BY THE INVERSION JACM631 97
RECURSIVE COMPUTATION OF CERTAIN INTEGRALS JACM611 21
AND CIRCULAR FUNCTIONS EVALUATION OF INTEGRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS JACM582 119
NEW FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND JACM594 515
FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS JACM632 126
RATUM IN 'FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS' ER JACM633 412
AN INTEGRATED COMPUTATION SYSTEM FOR THE ERA-1103 JACM563 181
A NOTE ON THE MIDPOINT METHOD OF INTEGRATION JACM563 208
A STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM593 363
A MODIFICATION OF FILON'S METHOD OF NUMERICAL INTEGRATION JACM602 181
THE WILF STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM634 557
METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION A JACM573 329
OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY DIFFERENTIAL EQUATION JACM621 98
A HEURISTIC PROGRAM THAT SOLVES SYMBOLIC INTEGRATION PROBLEMS IN FRESHMAN CALCULUS JACM634 507
ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION PROCESS JACM581 39
METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION' ERRATUM IN 'A JACM574 540
ANALYSIS OF INTERNAL COMPUTER SORTING JACM611 41
LETTER TO THE EDITOR ON 'ANALYSIS OF INTERNAL COMPUTER SORTING' JACM614 649
RADIX EXCHANGE, AN INTERNAL SORTING METHOD FOR DIGITAL COMPUTERS JACM592 156
ANALOG INTERPOLATOR FOR AUTOMATIC CONTROL JACM552 83
OPERATIONS USEFUL FOR SIMILARITY-INVARIANT PATTERN RECOGNITION JACM622 259
TEST OF AN INVENTORY CONTROL SYSTEM ON FERUT JACM572 121
SOME INVERSE CHARACTERISTIC VALUE PROBLEMS JACM563 203
A GENERAL CARD-PROGRAM FOR THE EVALUATION OF THE INVERSE LAPLACE TRANSFORM JACM551 18
A 'CURVE PLOTTING' ROUTINE FOR THE INVERSE LAPLACE TRANSFORM OF RATIONAL FUNCTIONS JACM581 52
AN ELIMINATION METHOD FOR COMPUTING THE GENERALIZED INVERSE OF AN ARBITRARY COMPLEX MATRIX JACM634 532
EFFECT OF PROPAGATED ERROR ON INVERSE OF HILBERT MATRIX JACM571 36
ERROR ANALYSIS OF DIRECT METHODS OF MATRIX INVERSION JACM613 281
ON THE INVERSION COMPLEXITY OF A SYSTEM OF FUNCTIONS JACM584 331
FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND BY THE INVERSION OF THE LINEAR SYSTEM PRODUCED BY QUADRATURE JACM631 97
INVERSION OF TRIPLE-DIAGONAL COMPOUND MATRICES JACM621 71
THE NUMBER OF CLASSES OF INVERTIBLE BOOLEAN FUNCTIONS JACM631 25
TION PROBLEM AN INVESTIGATION OF REAL-TIME SOLUTION OF THE TRANSPORTA JACM612 230
AR FUNCTIONS EVALUATION OF INTEGRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCUL JACM582 119
HYDRODYNAMIC PROBLEMS INVOLVING LARGE FLUID DISTORTIONS JACM572 137
/ MONTE CARLO SOLUTIONS OF BOUNDARY VALUE PROBLEMS INVOLVING THE DIFFERENCE ANALOGUE OF AN ELLIPTIC PART JACM592 204
PUT-OUTPUT LO/ ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE IN JACM631 48
P/ ERRATUM IN 'ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE IN JACM632 256
ISOMORPHISM GROUPS OF AUTOMATA JACM624 469
A METHOD OF NORMALIZED BLOCK ITERATION JACM592 236

ON MODERN MATRIX ITERATION PROCESSES OF BERNOULLI AND GRAEFFE TYPE JACM583 246
ON THE CONVERGENCE OF MATRIX ITERATIONS JACM564 314
ION SOME COMPUTATIONAL RESULTS ON 'TWO-LINE' ITERATIVE METHODS FOR THE BIHARMONIC DIFFERENCE EQUAT JACM613 359
ALUES AND EIGENVECTORS OF A REAL SYMMETRIC MAT/ AN ITERATIVE PROCEDURE FOR THE CALCULATION OF THE EIGENV JACM563 223
ON THE SPECTRAL NORMS OF SEVERAL ITERATIVE PROCESSES JACM594 494
OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINEAR EQUATIONS /COMPARISON JACM594 476
OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINEAR EQUATIONS' /OMPARISON JACM602 188
INDEXING OF THE WORD 'ITS' HAS BEEN PREVENTED 5 TIMES
THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES JACM591 59
FOOTNOTE TO 'THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES' JACM601 78
ON QUASICYCLIC JACOBI METHODS JACM621 118
SPEED OF DIAGONALIZATION OF SYMMETRIC MATRICES USING JACOBI'S METHOD /ROTATIONS, EXPERIMENTS CONCERNING JACM574 459
CTORS OF REAL SYMMETRIC MATRICES ON THE CODING OF JACOBI'S METHOD FOR COMPUTING EIGENVALUES AND EIGENVE JACM632 123
VOLUMES 1-10, 1954-1963 INDEX TO THE JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY, JACM634 583
GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA PROCESSING JACM591 1
NCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND NEW FORMULAS FOR COMPUTING I JACM594 515
SOLUTION OF CERTAIN INTEGRAL EQUATIONS OF THE FIRST KIND A TECHNIQUE FOR THE NUMERICAL JACM621 84
SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND BY THE INVERSION OF THE LINEAR SYSTEM PRODUCED B JACM631 97
NCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS FORMULAS FOR COMPUTING I JACM632 126
NCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS' ERRATUM IN 'FORMULAS FOR COMPUTING I JACM633 412
OF A THEOREM OF CARR ON ERROR BOUNDS FOR RUNGE-KUTTA PROCEDURES A GENERALIZATION JACM601 57
ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION PROCESS JACM581 39
EQUATIONS REQUIRING MINIMUM STORAGE A KUTTA THIRD-ORDER PROCEDURE FOR SOLVING DIFFERENTIAL JACM561 22
EQUATIONS AN EVALUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER ORDER DIFFERENTIAL JACM614 637
A FORTRAN-COMPILED LIST-PROCESSING LANGUAGE JACM602 87
A TRANSLATOR-ORIENTED SYMBOLIC PROGRAMMING LANGUAGE JACM624 480
A DESCRIPTIVE LANGUAGE FOR SYMBOL MANIPULATION JACM614 579
LANGUAGE TRANSLATION JACM581 1
A GENERAL TRANSLATION PROGRAM FOR PHRASE STRUCTURE LANGUAGES JACM621 1
SOME RECURSIVELY UNSOLVABLE PROBLEMS IN ALGOL-LIKE LANGUAGES JACM631 29
OPERATIONS WHICH PRESERVE DEFINABILITY IN LANGUAGES JACM632 175
QUOTIENTS OF CONTEXT-FREE LANGUAGES JACM634 487
OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE MECHANICAL LANGUAGES DETECTION JACM632 196
TWO FAMILIES OF LANGUAGES RELATED TO ALGOL JACM623 350
CARD-PROGRAM FOR THE EVALUATION OF THE INVERSE LAPLACE TRANSFORM A GENERAL JACM551 18
A 'CURVE PLOTTING' ROUTINE FOR THE INVERSE LAPLACE TRANSFORM OF RATIONAL FUNCTIONS JACM581 52
BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL EQUATION JACM592 226
BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL EQUATION II JACM601 37
HYDRODYNAMIC PROBLEMS INVOLVING LARGE FLUID DISTORTIONS JACM572 137
GIVENS METHOD FOR THE EIGENVALUE EVALUATION OF LARGE MATRICES A MODIFIED JACM613 331
VARIANCE SCHEME APPLICABLE TO A COMPUTER WITH A VERY LARGE MEMORY A GENERAL ANALYSIS OF JACM594 469
LOCATING THE LARGEST WORD IN A FILE USING A MODIFIED MEMORY JACM613 418
MINIMIZING DRUM LATENCY TIME JACM612 119
INFORMATION RETRIEVAL BASED ON LATENT CLASS ANALYSIS JACM624 512
LATTICE PROPERTIES OF SEQUENTIAL MACHINES JACM633 365
OF LINEAR EQUATIONS ON THE 'BEST' AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM JACM573 341
ON LEAST SQUARES SOLUTIONS OF LINEAR EQUATIONS JACM614 628
NTS FOR TWO CLASSES OF SEQUENTIAL MACHINES LEAST UPPER BOUNDS ON MINIMAL TERMINAL STATE EXPERIME JACM614 601

ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353
FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH FORMAL PROCEDURES JACM574 428
NGUISHES THE TERMINAL STATES OF A MACHINE ON THE LENGTH OF THE SMALLEST UNIFORM EXPERIMENT WHICH DISTI JACM583 266
MATRIX' LETTER TO THE EDITOR ON 'A METHOD FOR TRANSPOSING A JACM592 305

ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353
FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH FORMAL PROCEDURES JACM574 428
NGUISHES THE TERMINAL STATES OF A MACHINE ON THE LENGTH OF THE SMALLEST UNIFORM EXPERIMENT WHICH DISTI JACM583 266
MATRIX' LETTER TO THE EDITOR ON 'A METHOD FOR TRANSPOSING A JACM592 305
LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM602 187
LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM614 649
COMPUTER SORTING' LETTER TO THE EDITOR ON 'ANALYSIS OF INTERNAL JACM614 649
OPTIMIZED SUBROUTINES' LETTER TO THE EDITOR ON 'COMPUTER GENERATION OF JACM614 648
LETTERS TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM611 117
THREE LEVELS OF LINGUISTIC ANALYSIS IN MACHINE TRANSLATION JACM591 24
S BY ELECTRONIC EQUIPMENT LIFE INSURANCE PREMIUM BILLING AND COMBINED OPERATION JACM541 7
EQUATION SOME COMPUTATIONAL RESULTS ON 'TWO-LINE' ITERATIVE METHODS FOR THE BIHARMONIC DIFFERENCE JACM613 359
A NOTE ON NUMERICAL SOLUTION OF CERTAIN LINEAR BOUNDARY VALUE PROBLEMS JACM583 258
IMPLICIT VS. EXPLICIT RECURRENCE FORMULAS FOR THE LINEAR DIFFUSION EQUATION JACM551 42
ON LEAST SQUARES SOLUTIONS OF LINEAR EQUATIONS JACM614 628
QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM OF LINEAR EQUATIONS ON THE 'BEST' AND 'LEAST JACM573 341
NS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINEAR EQUATIONS /COMPARISON OF MACHINE ORGANIZATIO JACM594 476
NS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINEAR EQUATIONS' /OMPARISON OF MACHINE ORGANIZATIO JACM602 188
ON BATEMAN'S METHOD FOR SOLVING LINEAR INTEGRAL EQUATIONS JACM573 314
AN ALGORITHM FOR THE NUMERICAL APPLICATION OF A LINEAR OPERATOR JACM624 440
EQUATIONS OF THE FIRST KIND BY THE INVERSION OF THE LINEAR SYSTEM PRODUCED BY QUADRATURE /HOLM INTEGRAL JACM631 97
SOLUTION OF LINEAR SYSTEMS BY RICHARDSON'S METHOD JACM603 274
THREE LEVELS OF LINGUISTIC ANALYSIS IN MACHINE TRANSLATION JACM591 24
A FORTRAN-COMPILED LIST-PROCESSING LANGUAGE JACM602 87
AUTOMATIC PREPARATION OF FLOW CHART LISTINGS JACM581 57
'SEMANTIC ROAD MAPS FOR LITERATURE SEARCHERS JACM614 553
MEMORY LOCATING THE LARGEST WORD IN A FILE USING A MODIFIED JACM613 418
LOGIC MATRICES AND THE TRUTH FUNCTION PROBLEM JACM593 405
THE LOGIC OF AUTOMATA, PART I JACM572 193
THE LOGIC OF AUTOMATA, PART II JACM573 279
THE PROSPECTS FOR THE UTILIZATION OF INFORMATIONAL-LOGICAL MACHINES IN CHEMISTRY (USSR) JACM612 240
REALIZATION OF EVENTS BY LOGICAL NETS JACM582 181
LOGICAL ORGANIZATION OF THE PACT I COMPILER JACM564 279
TEST ROUTINES BASED ON SYMBOLIC LOGICAL STATEMENTS JACM591 33
PLICATION OF DYNAMIC PROGRAMMING TO THE SYNTHESIS OF LOGICAL SYSTEMS ON AN AP JACM594 486
REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS /PROGRAM FOR OBTAINING IRREDUCIBLE JACM631 48
REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS' /PROGRAM FOR OBTAINING IRREDUCIBLE JACM632 256
OUTLINE FOR A LOGICAL THEORY OF ADAPTIVE SYSTEMS JACM623 297
PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS JACM564 348
CONDENSATION AND LOOK-UP PROCEDURES FOR DOUBLE ENTRY TABLES JACM574 456
PACT LOOP EXPANSION JACM564 292
CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP MEASUREMENTS JACM583 289
THE REDUCTION OF SUPERFLUOUS STATES IN A SEQUENTIAL MACHINE ON JACM592 259
DETERMINING PLATE BENDING BY USE OF A PUNCHED-CARD MACHINE A METHOD OF JACM543 105
UNTING ON THE TYPE 650 MAGNETIC DRUM DATA PROCESSING MACHINE PUBLIC UTILITY CUSTOMER ACCO JACM544 173
ERIMENT WHICH DISTINGUISHES THE TERMINAL STATES OF A MACHINE ON THE LENGTH OF THE SMALLEST UNIFORM EXP JACM583 266
THE UNIVERSAL ELECTRONIC DIGITAL MACHINE (URAL) FOR ENGINEERING RESEARCH JACM574 511
PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS JACM564 348

SYSTEM ON DIGITAL COMPUTERS — MACHINE FEATURES FOR A MORE AUTONATIC MONITORING — JACM572 172
THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING — MACHINE FOR BUSINESS — JACM544 149
AYDAR, SPECIAL PURPOSE ANALOG — MACHINE FOR YAW DATA REDUCTION — JACM581 89
THE SHARE 709 SYSTEM, — MACHINE IMPLEMENTATION OF SYMBOLIC PROGRAMMING — JACM592 134
A — MACHINE METHOD FOR SOLVING POLYNOMIAL EQUATIONS — JACM612 151
THE HIGH-SPEED ELECTRONIC CALCULATING — MACHINE OF THE ACADEMY OF SCIENCES OF THE U.S.S.R. — JACM563 129
RATIVE SOLUTION OF LINEAR EQUATIO/ A COMPARISON OF — MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITE — JACM594 476
RATIVE SOLUTION O/ CORRIGENDUM TO 'A COMPARISON OF — MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITE — JACM602 188
CATEGORIZING AUTOMATA BY W- — MACHINE PROGRAMS — JACM613 384
THREE LEVELS OF LINGUISTIC ANALYSIS IN — MACHINE TRANSLATION — JACM591 24
WORDS IN THE HISTORY OF A TURING — MACHINE WITH A FIXED INPUT — JACM634 526
THE ASSOCIATION FOR COMPUTING — MACHINERY — JACM541 1
TO THE JOURNAL OF THE ASSOCIATION FOR COMPUTING — MACHINERY, VOLUMES 1-10, 1954-1963 INDEX — JACM634 583
ON SINGLE VS. TRIPLE ADDRESS COMPUTING — MACHINES — JACM543 119
A VARIANT TO TURING'S THEORY OF COMPUTING — MACHINES — JACM571 63
CONNECTIVE PROPERTIES PRESERVED IN MINIMAL STATE — MACHINES — JACM604 311
COMPATIBILITY OF STATES IN INPUT-INDEPENDENT — MACHINES — JACM613 400
FURTHER RESULTS ON THE STRUCTURE OF SEQUENTIAL — MACHINES — JACM631 78
LATTICE PROPERTIES OF SEQUENTIAL — MACHINES — JACM633 365
SYMBOL 8-STATE AND 5-SYMBOL 6-STATE UNIVERSAL TURING — MACHINES 5- — JACM614 476
CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL — MACHINES MIXED — JACM632 131
REDUCTION OF VARIABLE DEPENDENCY OF SEQUENTIAL — MACHINES MULTIPLE — JACM623 324
VALUE PROBLEMS OF MATHEMATICAL PHYSICS ON PUNCH CARD — MACHINES A METHOD OF SOLVING BOUNDARY — JACM543 101
INAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENTIAL — MACHINES LEAST UPPER BOUNDS ON MINIMAL TERM — JACM614 601
LUTION OF THE STATE ASSIGNMENT PROBLEM OF SEQUENTIAL — MACHINES USE OF DECOMPOSITION THEORY IN THE SO — JACM633 386
DESIGN OF SEQUENTIAL — MACHINES FROM THEIR REGULAR EXPRESSIONS — JACM614 585
OSPECTS FOR THE UTILIZATION OF INFORMATIONAL-LOGICAL — MACHINES IN CHEMISTRY (USSR) THE PR — JACM612 240
SEQUENTIAL — MACHINES, AMBIGUITY, AND DYNAMIC PROGRAMMING — JACM601 24
TURING — MACHINES, FINITE AUTOMATA AND NEURAL NETS — JACM614 467
THE IBM — MAGNETIC DRUM CALCULATOR TYPE 650 — JACM541 13
PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 — MAGNETIC DRUM DATA PROCESSING MACHINE — JACM544 173
— MAINTAINED ACTIVITY IN NEURAL NETS — JACM622 268
— MAINTENANCE AND ACCEPTANCE TESTS USED ON THE MIDAC — JACM552 95
PROGRAMMING — MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER — JACM623 387
A DESCRIPTIVE LANGUAGE FOR SYMBOL — MANIPULATION — JACM614 579
ON COMPUTER TRANSCRIPTION OF — MANUAL MORSE — JACM593 429
NUMERICAL QUADRATURE IN — MANY DIMENSIONS — JACM592 219
SEMANTIC ROAD — MAPS FOR LITERATURE SEARCHERS — JACM614 553
A DUAL — MASTER FILE SYSTEM FOR A TAPE PROCESSING COMPUTER — JACM584 319
A METHOD OF SOLVING BOUNDARY VALUE PROBLEMS OF — MATHEMATICAL PHYSICS ON PUNCH CARD MACHINES — JACM543 101
PROCESSING PROCEDURES — MATHEMATICAL STRUCTURE OF NONARITHMETIC DATA — JACM621 136
A PROPERTY OF SEMI-DEFINITE HERMITIAN — MATRICES — JACM583 244
THE JACOBI METHOD FOR REAL SYMMETRIC — MATRICES — JACM591 59
A PROCEDURE FOR THE DIAGONALIZATION OF NORMAL — MATRICES — JACM592 176
ON THE CONSISTENCY OF PRECEDENCE — MATRICES — JACM603 255
ON STURM SEQUENCES FOR TRIDIAGONAL — MATRICES — JACM603 260
ON PRE-CONDITIONING OF — MATRICES — JACM604 338
A THEOREM ON BOOLEAN — MATRICES — JACM621 11
INVERSION OF TRIPLE-DIAGONAL COMPOUND — MATRICES — JACM621 71
NEW METHOD OF CHECKING THE CONSISTENCY OF PRECEDENCE — MATRICES — A JACM592 164

ON PRE-CONDITIONING OF MATRICES JACM604 338
A THEOREM ON BOOLEAN MATRICES JACM621 11

INVERSION OF TRIPLE-DIAGONAL COMPOUND MATRICES JACM621 71
NEW METHOD OF CHECKING THE CONSISTENCY OF PRECEDENCE MATRICES A JACM592 164
GIVENS METHOD FOR THE EIGENVALUE EVALUATION OF LARGE MATRICES A MODIFIED JACM613 331
UTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES ON THE CODING OF JACOBI'S METHOD FOR COMP JACM632 123
ON OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES /ARIABLE' STRUCTURE COMPUTER FOR COMPUTATI JACM621 41
LOGIC MATRICES AND THE TRUTH FUNCTION PROBLEM JACM593 405
MATRICES ASSOCIATED WITH THE HITCHCOCK PROBLEM JACM624 409
THE METHOD OF REDUCED MATRICES FOR A GENERAL TRANSPORTATION PROBLEM JACM573 308
NTS CONCERNING SPEED OF DIAGONALIZATION OF SYMMETRIC MATRICES USING JACOBI'S METHOD /ROTATIONS, EXPERIME JACM574 459
FOOTNOTE TO 'THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES' JACM601 78
ON OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES' /RIABLE' STRUCTURE COMPUTER FOR COMPUTATI JACM624 522
EFFECT OF PROPAGATED ERROR ON INVERSE OF HILBERT MATRIX JACM571 36
UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM584 339
A METHOD FOR TRANSPOSING A MATRIX JACM564 383
ON THE UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX REMARKS JACM602 185
THE GENERALIZED INVERSE OF AN ARBITRARY COMPLEX MATRIX AN ELIMINATION METHOD FOR COMPUTING JACM634 532
THE EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX /ITERATIVE PROCEDURE FOR THE CALCULATION OF JACM563 223
CONFERENCE ON MATRIX COMPUTATIONS (ABSTRACTS) JACM574 520
CONFERENCE ON MATRIX COMPUTATIONS (ABSTRACTS) JACM581 100
ERROR ANALYSIS OF DIRECT METHODS OF MATRIX INVERSION JACM613 281
TYPE ON MODERN MATRIX ITERATION PROCESSES OF BERNOULLI AND GRAEFFE JACM583 246
ON THE CONVERGENCE OF MATRIX ITERATIONS JACM564 314
THE APPROXIMATE SOLUTION OF MATRIX PROBLEMS JACM583 205
LEMENTARY SIMILAR/ STABILITY OF THE REDUCTION OF A MATRIX TO ALMOST TRIANGULAR AND TRIANGULAR FORMS BY E JACM593 336
ELEMENTS MEMORY MATRIX USING FERROELECTRIC CONDENSERS AS BISTABLE JACM553 169
LETTER TO THE EDITOR ON 'A METHOD FOR TRANSPOSING A MATRIX' JACM592 305
ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353
NING SPEED OF DIAGONALIZATION OF SYMMETRIC MATRIC/ MAXIMIZING FUNCTIONS OF ROTATIONS, EXPERIMENTS CONCER JACM574 459
OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP MEASUREMENTS CALCULATING JACM583 289
FOR DOUBLE-DUMMY BRIDGE PROBLEMS, A NEW STRATEGY FOR MECHANICAL GAME PLAYING PROGRAM JACM633 357
DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE MECHANICAL LANGUAGES JACM632 196
ELECTRONIC COMPUTER A MECHANICAL PROOF PROCEDURE AND ITS REALIZATION IN AN JACM602 102
MECHANISMS AND ROBOTS JACM552 61
RESULTANT PROCEDURE AND THE MECHANIZATION OF THE GRAEFFE PROCESS JACM604 346
WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
CODES FOR THE CLASSICAL MEMBRANE PROBLEM JACM574 477
ALGORITHMS FOR PARALLEL-SEARCH MEMORIES JACM624 488
LOCATING THE LARGEST WORD IN A FILE USING A MODIFIED MEMORY JACM613 418
SCHEME APPLICABLE TO A COMPUTER WITH A VERY LARGE MEMORY A GENERAL ANALYSIS OF VARIANCE JACM594 469
MEMORY EFFICIENCY JACM592 172
BISTABLE ELEMENTS MEMORY MATRIX USING FERROELECTRIC CONDENSERS AS JACM553 169
OSCILLATING SORT, A NEW SORT MERGING TECHNIQUE JACM623 372
L MULTIPLIER THE USE OF INDEX CALCULUS AND MERSENNE PRIMES FOR THE DESIGN OF A HIGH-SPEED DIGITA JACM611 87
DIFFERENTIAL EQUATION OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY JACM621 98
INDEXING OF THE WORDS 'METHOD(S)' HAS BEEN PREVENTED 56 TIMES
MICRO-PROGRAMMING JACM572 157
A NOTE ON MICROPROGRAMMING JACM562 77
MAINTENANCE AND ACCEPTANCE TESTS USED ON THE MIDAC JACM552 95

SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC JACM552 111
IN 'SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC' ERRATUM JACM561 43
A NOTE ON THE MIDPOINT METHOD OF INTEGRATION JACM563 208
AN EXTENSION OF MILNE'S THREE-POINT METHOD JACM563 212
COMPUTATIONAL AIDS FOR DETERMINING THE MINIMAL FORM OF A TRUTH FUNCTION JACM604 299
CONNECTIVE PROPERTIES PRESERVED IN MINIMAL STATE MACHINES JACM604 311
SEQUENTIAL MACHINES LEAST UPPER BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF JACM614 601
ITHM FOR THE DETERMINATION OF THE POLYNOMIAL OF BEST AN ALGORITHM FOR MINIMAX APPROXIMATION TO A FUNCTION DEFINED ON A FINI JACM593 395
MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA JACM633 283
MINIMIZING DRUM LATENCY TIME JACM612 119
A DICTIONARY FOR MINIMUM REDUNDANCY ENCODING JACM634 413
OCEDURE FOR SOLVING DIFFERENTIAL EQUATIONS REQUIRING MINIMUM STORAGE A KUTTA THIRD-ORDER PR JACM561 22
FORMAL PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH JACM574 428
DESIGN OF NUMERICAL FILTERS WITH APPLICATIONS TO MISSILE DATA PROCESSING JACM613 440
DIRECTION METHOD FOR SOLVING THE PLATE PROBLEM WITH MIXED BOUNDARY CONDITIONS ON AN ALTERNATING JACM603 264
NUMERICAL SOLUTION OF THE NEUMANN AND MIXED BOUNDARY VALUE PROBLEMS BY BOUNDARY CONTRACTION JACM613 336
DECIMAL MACHINES MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR JACM632 131
GRAEFFE TYPE ON MODERN MATRIX ITERATION PROCESSES OF BERNOULLI AND JACM583 246
THE SHARE 709 SYSTEM, PROGRAMMING AND MODIFICATION JACM592 128
INTEGRATION A MODIFICATION OF FILON'S METHOD OF NUMERICAL JACM602 181
OF LARGE MATRICES A MODIFIED GIVENS METHOD FOR THE EIGENVALUE EVALUATION JACM613 331
LOCATING THE LARGEST WORD IN A FILE USING A MODIFIED MEMORY JACM613 418
PRECISION MODULATORS AND DEMODULATORS JACM554 229
SORTING CARDS WITH RESPECT TO A MODULUS JACM571 41
DIGITAL PATTERN RECOGNITION BY MOMENTS JACM622 240
MACHINE FEATURES FOR A MORE AUTOMATIC MONITORING SYSTEM ON DIGITAL COMPUTERS JACM572 172
CONDITIONAL MONTE CARLO JACM562 73
PROBLEMS MONTE CARLO COMPUTATIONS IN NORMAL CORRELATION JACM633 302
A METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION JACM573 329
IN 'A METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION' ERRATUM JACM574 540
OF SEQUENTIAL ESTIMATION TO COMPUTER SIMULATION AND MONTE CARLO PROCEDURES THE APPLICATION JACM584 343
LVING THE DIFFERENCE ANALOGUE OF AN ELLIPTIC PART/ MONTE CARLO SOLUTIONS OF BOUNDARY VALUE PROBLEMS INVO JACM592 204
ON COMPUTER TRANSCRIPTION OF MANUAL MORSE JACM593 429
NUMERICAL METHOD OF SOLVING A HEAT FLOW PROBLEM WITH MOVING BOUNDARY A JACM582 161
MULTIFUNCTIONAL CIRCUITS IN FUNCTIONAL CANONICAL FORM JACM594 538
REDUCTION OF RUNS IN MULTIPARAMETER COMPUTATIONS JACM552 99
ADDRESSING FOR RANDOM-ACCESS STORAGE WITH MULTIPLE BUCKET CAPACITIES JACM633 307
PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS /PROGRAM FOR JACM631 48
OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS' /PROGRAM FOR JACM632 256
A MULTIPLE PURPOSE ORTHONORMALIZING CODE AND ITS USES JACM544 183
SEQUENTIAL MACHINES MULTIPLE REDUCTION OF VARIABLE DEPENDENCY OF JACM623 324
PROGRAMMED MULTIPLICATION ON THE IBM 407 JACM574 442
SURVEY OF ANALOG MULTIPLICATION SCHEMES JACM541 27
RSENNE PRIMES FOR THE DESIGN OF A HIGH-SPEED DIGITAL MULTIPLIER THE USE OF INDEX CALCULUS AND ME JACM611 87
SEQUENCING ASPECTS OF MULTIPROGRAMMING JACM613 426
FOR SYSTEMATICALLY ABBREVIATING ENGLISH WORDS AND NAMES A STUDY OF METHODS JACM614 538
A SYSTEM FOR GENERATING 'PRONOUNCEABLE' NAMES USING A COMPUTER JACM611 97

OFFICE OF NAVAL RESEARCH DIGITAL COMPUTER NEWSLETTER SEE DCN
PARTIAL DIFFERENCE EQUATION PROBLEMS A NECESSARY AND SUFFICIENT CONDITION FOR STABILITY OF JACM602 163
ARITHMETICAL ANALYSIS OF DIGITAL COMPUTING NETS JACM564 360
REALIZATION OF EVENTS BY LOGICAL NETS JACM582 181
TURING MACHINES, FINITE AUTOMATA AND NEURAL NETS JACM614 467
MAINTAINED ACTIVITY IN NEURAL NETS JACM622 268
ANALYSIS OF NETS BY NUMERICAL METHODS JACM603 251
THE DESIGN AND USE OF HAZARD-FREE SWITCHING NETWORKS JACM571 47
CONTRACTION NUMERICAL SOLUTION OF THE NEUMANN AND MIXED BOUNDARY VALUE PROBLEMS BY BOUNDARY JACM613 336
TURING MACHINES, FINITE AUTOMATA AND NEURAL NETS JACM614 467
MAINTAINED ACTIVITY IN NEURAL NETS JACM622 268
INDEXING OF THE WORD 'NEW' HAS BEEN PREVENTED 9 TIMES
OFFICE OF NAVAL RESEARCH DIGITAL COMPUTER NEWSLETTER SEE DCN
MATHEMATICAL STRUCTURE OF NONARITHMETIC DATA PROCESSING PROCEDURES JACM621 136
NUMERICAL SOLUTION OF SYSTEMS OF NONLINEAR EQUATIONS JACM634 550
ZEROS OF NONLINEAR FUNCTIONS JACM613 366
UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM584 339
REMARKS ON THE UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM602 185
MONTE CARLO COMPUTATIONS IN NORMAL CORRELATION PROBLEMS JACM633 302
A COMPARISON OF METHODS FOR GENERATING NORMAL DEVIATES ON DIGITAL COMPUTERS JACM593 376
A PROCEDURE FOR THE DIAGONALIZATION OF NORMAL MATRICES JACM592 176
THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABLES COMPUTATION OF JACM603 245
A METHOD OF NORMALIZED BLOCK ITERATION JACM592 236
ON THE SPECTRAL NORMS OF SEVERAL ITERATIVE PROCESSES JACM594 494
INDEXING OF THE WORDS 'NOTE(S)' HAS BEEN PREVENTED 9 TIMES
EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR JACM594 527
A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM601 75
NOTES ON A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM612 163
MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL MACHINES JACM632 131
THE NUMBER OF CLASSES OF INVERTIBLE BOOLEAN FUNCTIONS JACM631 25
ON THE COMPUTATION OF THE NUMBER OF SOLUTIONS OF CERTAIN TRINOMIAL CONGRUENCES JACM574 505
ON THE REDUCTION OF NUMBER RANGE IN THE USE OF THE GRAEFFE PROCESS JACM634 538
A SUBROUTINE FOR COMPUTATIONS WITH RATIONAL NUMBERS JACM561 6
CORRELATION IN THE GENERATION OF PSEUDO-RANDOM NUMBERS SERIAL JACM601 72
ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353
THE GENERATION OF PSEUDO-RANDOM NUMBERS ON A DECIMAL CALCULATOR JACM542 88
BIBLIOGRAPHY ON NUMERICAL ANALYSIS JACM562 85
'DIRECT SEARCH' SOLUTION OF NUMERICAL AND STATISTICAL PROBLEMS JACM612 212
AN ALGORITHM FOR THE NUMERICAL APPLICATION OF A LINEAR OPERATOR JACM624 440
S FOR A SET OF SIMULTANEOUS FIRST ORDER DIFFERENT/ NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATION JACM613 374
PROCESSING DESIGN OF NUMERICAL FILTERS WITH APPLICATIONS TO MISSILE DATA JACM613 440
A STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM593 363
A MODIFICATION OF FILON'S METHOD OF NUMERICAL INTEGRATION JACM602 181
THE WILF STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM634 557
EQUATION OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY DIFFERENTIAL JACM621 98
EQUATIONS ON DIGITAL COMPUTERS A NUMERICAL METHOD FOR SOLVING CONTROL DIFFERENTIAL JACM601 61
MOVING BOUNDARY A NUMERICAL METHOD OF SOLVING A HEAT FLOW PROBLEM WITH JACM582 161
ANALYSIS OF NETS BY NUMERICAL METHODS JACM603 251

NUMERICAL QUADRATURE IN MANY DIMENSIONS JACM592 219
THE FIRST KIND A TECHNIQUE FOR THE NUMERICAL SOLUTION OF CERTAIN INTEGRAL EQUATIONS OF JACM621 84
PROBLEMS A NOTE ON NUMERICAL SOLUTION OF CERTAIN LINEAR BOUNDARY VALUE JACM583 258
FLUTTER ANALYSIS ON THE NUMERICAL SOLUTION OF CHARACTERISTIC EQUATIONS IN JACM581 45
STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS JACM592 196
STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS, PART II JACM601 46
THE FIRST KIND BY THE INVERSION OF THE LIN/ ON THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF JACM631 97
BY REPEA/ PROPAGATION OF TRUNCATION ERRORS IN THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS JACM551 5
FIFTH-ORDER METHODS FOR THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS JACM621 64
NUMERICAL SOLUTION OF SYSTEMS OF NONLINEAR EQUATIONS JACM634 550
RATES OF CONVERGENCE IN NUMERICAL SOLUTION OF THE DIFFUSION EQUATION JACM561 29
ROUND-OFF ERROR IN THE NUMERICAL SOLUTION OF THE HEAT EQUATION JACM591 48
VALUE PROBLEMS BY BOUNDARY CONTRACTION NUMERICAL SOLUTION OF THE NEUMANN AND MIXED BOUNDARY JACM613 336
PARTIAL DIFFERENTIAL EQUATION NUMERICAL TREATMENT OF A FOURTH ORDER PARABOLIC JACM543 111
INDEXING OF THE WORD 'OBTAINING' HAS BEEN PREVENTED 4 TIMES
INDEXING OF THE WORD 'OF' HAS BEEN PREVENTED 266 TIMES
OFFICE OF NAVAL RESEARCH DIGITAL COMPUTER NEWSLETTER SEE DCN
GENERALIZED SIMULATION OF POST OFFICE SYSTEMS JACM612 252
DETERMINATION OF THREE PERCENTILES OF THE OMEGA-SUB-N DISTRIBUTION FUNCTION JACM574 472
INDEXING OF THE WORD 'ON' HAS BEEN PREVENTED 93 TIMES
TWO PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS COMPUTERS JACM573 274
MEASUREMENTS CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP JACM583 289
THE STRUCTURE OF AN AUTOMATON AND ITS OPERATION-PRESERVING TRANSFORMATION GROUP JACM623 345
TESTING OF OPERATIONAL AMPLIFIERS JACM552 92
ECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATIONS A SIMPLE DESK-CALCULATOR METHOD FOR CH JACM553 205
LIFE INSURANCE PREMIUM BILLING AND COMBINED OPERATIONS BY ELECTRONIC EQUIPMENT JACM541 7
COMPUTER ERRORS DUE TO OVERFLOW IN ARITHMETIC OPERATIONS PARTICULARLY AS REGARDS FINAC ELECTRONIC JACM574 450
RECOGNITION OPERATIONS USEFUL FOR SIMILARITY-INVARIANT PATTERN JACM622 259
OPERATIONS WHICH PRESERVE DEFINABILITY IN LANGUAGES JACM632 175
ALGORITHM FOR THE NUMERICAL APPLICATION OF A LINEAR OPERATOR AN JACM624 440
SYNTACTIC ANALYSIS AND OPERATOR PRECEDENCE JACM633 316
SYSTEM HANDLING OF FUNCTIONAL OPERATORS JACM612 168
ORDINARY DIFFERENTIAL EQUATION OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN JACM621 98
COMPUTER GENERATION OF OPTIMIZED SUBROUTINES JACM611 104
LETTER TO THE EDITOR ON 'COMPUTER GENERATION OF OPTIMIZED SUBROUTINES' JACM614 648
AN OPTIMIZING PROGRAM FOR THE IBM 650 JACM561 3
LIC PARTIAL DIFFERENTIAL EQUATION OPTIMUM RECURRENCE FORMULAS FOR A FOURTH ORDER PARABO JACM574 467
DIFFERENTIAL EQUATIONS HIGHER ORDER DIFFERENCES IN THE ANALOGUE SOLUTION OF PARTIAL JACM564 325
AN EVALUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER ORDER DIFFERENTIAL EQUATIONS JACM614 637
ERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER DIFFERENTIAL EQUATIONS /STRUCTION OF TAYLOR S JACM613 374
DIFFERENTIAL EQUATIONS FIFTH-ORDER METHODS FOR THE NUMERICAL SOLUTION OF ORDINARY JACM621 64
IMPLICIT FINITE DIFFERENCE APPROXIMATION TO A FOURTH ORDER PARABOLIC EQUATION A STABLE JACM571 18
NUMERICAL TREATMENT OF A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION JACM543 111
OPTIMUM RECURRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION JACM574 467
REQUIRING MINIMUM STORAGE A KUTTA THIRD-ORDER PROCEDURE FOR SOLVING DIFFERENTIAL EQUATIONS JACM561 22
OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY DIFFERENTIAL EQUATION JACM621 98
STABLE PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS JACM591 37
FIFTH-ORDER METHODS FOR THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS JACM621 64

BILITY PROPERTIES OF PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS STA JACM624 457

STABLE PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS JACM621 64
FIFTH-ORDER METHODS FOR THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS JACM621 64

BILITY PROPERTIES OF PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS STA JACM624 457
ON OF TRUNCATION ERRORS IN THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS BY REPEATED CLOSURES JACM551 5
ORDVAC SOLUTIONS OF THE DIRICHLET PROBLEM JACM553 137
PUTER FOR COMPUTATION OF EIGENVALUES AND EIGENVEC/ ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COM JACM621 41
PUTER FOR COMPUTATION/ CORRECTION AND ADDENDUM TO 'ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COM JACM624 522
LOGICAL ORGANIZATION OF THE PACT I COMPILER JACM564 279
OLUTION OF LINEAR EQUATIO/ A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE S JACM594 476
OLUTION O/ CORRIGENDUM TO 'A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE S JACM602 188
ORIGIN AND DEVELOPMENT OF THE CHINESE ABACUS JACM591 102
SWAC EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING JACM581 9
A MULTIPLE PURPOSE ORTHONORMALIZING CODE AND ITS USES JACM544 183
OSCILLATING SORT, A NEW SORT MERGING TECHNIQUE JACM623 372
OUTLINE FOR A LOGICAL THEORY OF ADAPTIVE SYSTEMS JACM623 297
THE SHARE 709 SYSTEM, PROGRAMMED INPUT-OUTPUT BUFFERING JACM592 145
INPUT-OUTPUT BUFFERING AND FORTRAN JACM601 1
DUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS /PROGRAM FOR OBTAINING IRRE JACM631 48
DUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS' /PROGRAM FOR OBTAINING IRRE JACM632 256
THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION JACM592 141
ON THE 'BEST' AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM OF LINEAR EQUATIONS JACM573 341
ARDS FINAC ELECTRONIC COMPUTER ERRORS DUE TO OVERFLOW IN ARITHMETIC OPERATIONS PARTICULARLY AS REG JACM574 450
SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I JACM564 299
CONCLUSIONS AFTER USING THE PACT I ADVANCED CODING TECHNIQUE JACM564 309
THE PACT I CODING SYSTEM FOR THE IBM TYPE 701 JACM564 272
LOGICAL ORGANIZATION OF THE PACT I COMPILER JACM564 279
PRODUCING COMPUTER INSTRUCTIONS FOR THE PACT I COMPILER JACM564 288
PACT IA JACM571 8
PACT LOOP EXPANSION JACM564 292
WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
FINITE DIFFERENCE APPROXIMATION TO A FOURTH ORDER PARABOLIC EQUATION A STABLE IMPLICIT JACM571 18
NUMERICAL TREATMENT OF A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION JACM543 111
OPTIMUM RECURRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION JACM574 467
ALTERNATING DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE VARIABLES JACM624 450
AUTOMATIC SEQUENCING PROCEDURE WITH APPLICATION TO PARALLEL PROGRAMMING AN JACM614 513
ALGORITHMS FOR PARALLEL-SEARCH MEMORIES JACM624 488
A METHOD FOR OBTAINING SPECIFIC VALUES OF COMPILING-PARAMETER FUNCTIONS JACM623 379
TWO-DIMENSIONAL PARITY CHECKING JACM612 186
INDEXING OF THE WORD 'PART' HAS BEEN PREVENTED 5 TIMES
NECESSARY AND SUFFICIENT CONDITION FOR STABILITY OF PARTIAL DIFFERENCE EQUATION PROBLEMS A JACM602 163
VERGENCE RATES OF RELAXATION PROCEDURES FOR ELLIPTIC PARTIAL DIFFERENCE EQUATIONS ON THE INCREASE OF CON JACM601 29
NUMERICAL TREATMENT OF A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION JACM543 111
RECURRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION OPTIMUM JACM574 467
EMS INVOLVING THE DIFFERENCE ANALOGUE OF AN ELLIPTIC PARTIAL DIFFERENTIAL EQUATION /BOUNDARY VALUE PROBL JACM592 204
HIGHER ORDER DIFFERENCES IN THE ANALOGUE SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS JACM564 325
A METHOD FOR THE SOLUTION OF THE NTH BEST PATH PROBLEM JACM594 506
OPERATIONS USEFUL FOR SIMILARITY-INVARIANT PATTERN RECOGNITION JACM622 259
FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL STUDY JACM634 458
FINITE AUTOMATA, PATTERN RECOGNITION AND PERCEPTRONS JACM611 1
DIGITAL PATTERN RECOGNITION BY MOMENTS JACM622 240

622

W. W. YOUDEN

A NEW METHOD FOR THE PAYMENT OF BILLS AND THE TRANSFER OF CREDIT JACM602 140
DETERMINATION OF THREE PERCENTILES OF THE OMEGA-SUB-N DISTRIBUTION FUNCTION JACM574 472
FINITE AUTOMATA, PATTERN RECOGNITION AND PERCEPTRONS JACM611 1
IO/ A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINEAR EQUAT JACM594 476
M TO 'A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINEAR EQUAT JACM602 188
ON A PERIODIC PROPERTY OF PSEUDO-RANDOM SEQUENCES JACM583 261
SYNTHESIS OF BINARY RING COUNTERS OF GIVEN PERIODS JACM603 287
A GENERAL TRANSLATION PROGRAM FOR PHRASE STRUCTURE LANGUAGES JACM621 1
OF SOLVING BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS ON PUNCH CARD MACHINES A METHOD JACM543 101
PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
ACM PUBLICATION POLICIES AND PLANS JACM592 121
ON THE VIBRATION OF A SQUARE CLAMPED PLATE JACM553 162
A METHOD OF DETERMINING PLATE BENDING BY USE OF A PUNCHED-CARD MACHINE JACM543 105
ON AN ALTERNATING DIRECTION METHOD FOR SOLVING THE PLATE PROBLEM WITH MIXED BOUNDARY CONDITIONS JACM603 264
BRIDGE PROBLEMS, A NEW STRATEGY FOR MECHANICAL GAME PLAYING PROGRAM FOR DOUBLE-DUMMY JACM633 357
OF RATIONAL FUNCTIONS A 'CURVE PLOTTING' ROUTINE FOR THE INVERSE LAPLACE TRANSFORM JACM581 52
TWO PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS COMPUTERS JACM573 274
A STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR-CORRECTOR METHOD JACM602 176
UNNORMALIZED FLOATING POINT ARITHMETIC JACM593 415
FLOATING-POINT ARITHMETICS JACM602 129
AN EXTENSION OF MILNE'S THREE-POINT METHOD JACM563 212
IMAX APPROXIMATION TO A FUNCTION DEFINED ON A FINITE POINT SET /ERMINATION OF THE POLYNOMIAL OF BEST MIN JACM593 395
ON THE SOLUTION OF POISSON'S DIFFERENCE EQUATION JACM584 370
ACM PUBLICATION POLICIES AND PLANS JACM592 121
E/ A METHOD FOR OBTAINING SUBOPTIMAL GROUP-TESTING POLICIES USING DYNAMIC PROGRAMMING AND INFORMATION TH JACM631 89
ASYMPTOTIC BEHAVIOR OF THE BEST POLYNOMIAL APPROXIMATION JACM614 645
AN ALGORITHM FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA JACM633 283
A MACHINE METHOD FOR SOLVING POLYNOMIAL EQUATIONS JACM612 151
N DEFIN/ AN ALGORITHM FOR THE DETERMINATION OF THE POLYNOMIAL OF BEST MINIMAX APPROXIMATION TO A FUNCTIO JACM593 395
SWAC EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING JACM581 9
COMPUTER ALGEBRA OF POLYNOMIALS IN SEVERAL VARIABLES FOR A DIGITAL JACM621 29
ACTIONS REPRESENTATION OF POWER SERIES IN TERMS OF POLYNOMIALS, RATIONAL APPROXIMATIONS AND CONTINUED FR JACM614 613
GENERALIZED SIMULATION OF POST OFFICE SYSTEMS JACM612 252
FUNCTION SIMULATION BY MEANS OF AMPLIFIERS AND POTENTIOMETERS TRANSFER JACM563 186
AUTOMATIC COMPUTATIONS WITH POWER SERIES JACM561 10
TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES JACM574 487
IMATIONS AND CONTINUED FRACTIONS REPRESENTATION OF POWER SERIES IN TERMS OF POLYNOMIALS, RATIONAL APPROX JACM614 613
REMARKS ON 'TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES' JACM591 111
NOTE ON THE PRACTICAL COMPUTATION OF PROPER VALUES JACM593 360
ON PRE-CONDITIONING OF MATRICES JACM604 338
SYNTACTIC ANALYSIS AND OPERATOR PRECEDENCE JACM633 316
A NEW METHOD OF CHECKING THE CONSISTENCY OF PRECEDENCE MATRICES JACM592 164
ON THE CONSISTENCY OF PRECEDENCE MATRICES JACM603 255
PRECISION MODULATORS AND DEMODULATORS JACM554 229
A STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR-CORRECTOR METHOD JACM602 176
EQUATIONS STABLE PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL JACM591 37
EQUATIONS STABILITY PROPERTIES OF PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL JACM624 457
EFFICIENCY OF PREDICTOR-CORRECTOR PROCEDURES JACM633 291

EQUIPMENT LIFE INSURANCE PREMIUM BILLING AND COMBINED OPERATIONS BY ELECTRONIC JACM541 7

EQUATIONS	STABLE	PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL	JACM591	37
EQUATIONS	STABILITY PROPERTIES OF	PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL	JACM624	457
	EFFICIENCY OF	PREDICTOR-CORRECTOR PROCEDURES	JACM633	291
EQUIPMENT	LIFE INSURANCE	PREMIUM BILLING AND COMBINED OPERATIONS BY ELECTRONIC	JACM541	7
	AUTOMATIC	PREPARATION OF FLOW CHART LISTINGS	JACM581	57
	OPERATIONS WHICH	PRESERVE DEFINABILITY IN LANGUAGES	JACM632	175
	CONNECTIVE PROPERTIES	PRESERVED IN MINIMAL STATE MACHINES	JACM604	311
	RETIRING	PRESIDENTIAL ADDRESS	JACM571	1
	INAUGURAL	PRESIDENTIAL ADDRESS	JACM571	5
		PRESIDENTIAL ADDRESS TO THE ACM	JACM561	1
PROBLEMS		PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG	JACM564	348
IER	THE USE OF INDEX CALCULUS AND MERSENNE	PRIMES FOR THE DESIGN OF A HIGH-SPEED DIGITAL MULTIPL	JACM611	87
	ON RELEVANCE,	PROBABILISTIC INDEXING AND INFORMATION RETRIEVAL	JACM603	216
	CUMULATIVE BINOMIAL	PROBABILITIES	JACM623	405
COMPUTER PROGRAM FOR A SOLVABLE CASE OF THE DECISION		PROBLEM A	JACM633	348
	INDEXING OF THE WORDS	'PROBLEM(S)' HAS BEEN PREVENTED 36 TIMES		
COMPUTER	A MECHANICAL PROOF	PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC	JACM602	102
PROCESS	RESULTANT	PROCEDURE AND THE MECHANIZATION OF THE GRAEFFE	JACM604	346
	A DECISION	PROCEDURE FOR COMPUTATIONS OF FINITE AUTOMATA	JACM623	315
	A COMPUTING	PROCEDURE FOR QUANTIFICATION THEORY	JACM603	201
G MINIMUM STORAGE	A KUTTA THIRD-ORDER	PROCEDURE FOR SOLVING DIFFERENTIAL EQUATIONS REQUIRIN	JACM561	22
EIGENVECTORS OF A REAL SYMMETRIC MAT/	AN ITERATIVE	PROCEDURE FOR THE CALCULATION OF THE EIGENVALUES AND	JACM563	223
	A	PROCEDURE FOR THE DIAGONALIZATION OF NORMAL MATRICES	JACM592	176
	A SEMI-DECISION	PROCEDURE FOR THE FUNCTIONAL CALCULUS	JACM631	1
	AN AUTOMATIC SEQUENCING	PROCEDURE WITH APPLICATION TO PARALLEL PROGRAMMING	JACM614	513
	EFFICIENCY OF PREDICTOR-CORRECTOR	PROCEDURES	JACM633	291
	STRUCTURE OF NONARITHMETIC DATA PROCESSING	PROCEDURES MATHEMATICAL	JACM621	136
OF A THEOREM OF CARR ON ERROR BOUNDS FOR RUNGE-KUTTA		PROCEDURES A GENERALIZATION	JACM601	57
	ESTIMATION TO COMPUTER SIMULATION AND MONTE CARLO	PROCEDURES THE APPLICATION OF SEQUENTIAL	JACM584	343
TOTAL WIRE LENGTH	FORMAL	PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM	JACM574	428
FITTING RATIONAL APPROXIMATIONS, PART I, TELESCOPING		PROCEDURES FOR CONTINUED FRACTIONS METHODS FOR	JACM602	150
	CONDENSATION AND LOOK-UP	PROCEDURES FOR DOUBLE ENTRY TABLES	JACM574	456
	ON THE INCREASE OF CONVERGENCE RATES OF RELAXATION	PROCEDURES FOR ELLIPTIC PARTIAL DIFFERENCE EQUATIONS	JACM601	29
	BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION	PROCESS ERROR	JACM581	39
	REDUCTION OF NUMBER RANGE IN THE USE OF THE GRAEFFE	PROCESS ON THE	JACM634	538
	PROCEDURE AND THE MECHANIZATION OF THE GRAEFFE	PROCESS RESULTANT	JACM604	346
	ON THE SPECTRAL NORMS OF SEVERAL ITERATIVE	PROCESSES	JACM594	494
	ON MODERN MATRIX ITERATION	PROCESSES OF BERNOULLI AND GRAEFFE TYPE	JACM583	246
	ACCOUNT IDENTIFICATION FOR AUTOMATIC DATA	PROCESSING	JACM573	245
	GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA	PROCESSING	JACM591	1
	NUMERICAL FILTERS WITH APPLICATIONS TO MISSILE DATA	PROCESSING DESIGN OF	JACM613	440
	A DUAL MASTER FILE SYSTEM FOR A TAPE	PROCESSING COMPUTER	JACM584	319
	A FORTRAN-COMPILED LIST-	PROCESSING LANGUAGE	JACM602	87
STOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM DATA		PROCESSING MACHINE PUBLIC UTILITY CU	JACM544	173
	THE IBM TYPE 702, AN ELECTRONIC DATA	PROCESSING MACHINE FOR BUSINESS	JACM544	149
	MATHEMATICAL STRUCTURE OF NONARITHMETIC DATA	PROCESSING PROCEDURES	JACM621	136
	THE DESIGN AND SIMULATION OF AN INFORMATION	PROCESSING SYSTEM	JACM612	260
THE FIRST KIND BY THE INVERSION OF THE LINEAR SYSTEM		PRODUCED BY QUADRATURE /HOLM INTEGRAL EQUATIONS OF	JACM631	97
COMPILER		PRODUCING COMPUTER INSTRUCTIONS FOR THE PACT I	JACM564	288
	A DESCRIPTION OF A COOPERATIVE VENTURE IN THE	PRODUCTION OF AN AUTOMATIC CODING SYSTEM	JACM564	266
	A COMPUTER	PROGRAM FOR A SOLVABLE CASE OF THE DECISION PROBLEM	JACM633	348

EGY FOR MECHANICAL GAME PLAYING — PROGRAM FOR DOUBLE-DUMMY BRIDGE PROBLEMS, A NEW STRAT JACM633 357
TWO-LEVEL MULTIPLE INPUT-OUTPUT LO/ ON A COMPUTER — PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR JACM631 48
TWO-LEVEL MULTIPLE INP/ ERRATUM IN 'ON A COMPUTER — PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR JACM632 256
A GENERAL TRANSLATION — PROGRAM FOR PHRASE STRUCTURE LANGUAGES JACM621 1
TRANSFORM A GENERAL CARD- — PROGRAM FOR THE EVALUATION OF THE INVERSE LAPLACE JACM551 18
AN OPTIMIZING — PROGRAM FOR THE IBM 650 JACM561 3
FRESHMAN CALCULUS A HEURISTIC — PROGRAM THAT SOLVES SYMBOLIC INTEGRATION PROBLEMS IN JACM634 507
THE SHARE 709 SYSTEM, — PROGRAMMED INPUT-OUTPUT BUFFERING JACM592 145
— PROGRAMMED MULTIPLICATION ON THE IBM 407 JACM574 442
PSYCHOLOGICAL TESTS AND SELECTION OF COMPUTER — PROGRAMMERS JACM573 348
MICRO- — PROGRAMMING JACM572 157
SEQUENTIAL MACHINES, AMBIGUITY, AND DYNAMIC — PROGRAMMING JACM601 24
MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER — PROGRAMMING JACM623 387
SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF SYMBOLIC — PROGRAMMING THE JACM592 134
SEQUENCING PROCEDURE WITH APPLICATION TO PARALLEL — PROGRAMMING AN AUTOMATIC JACM614 513
NING SUBOPTIMAL GROUP-TESTING POLICIES USING DYNAMIC — PROGRAMMING AND INFORMATION THEORY /ETHOD FOR OBTAI JACM631 89
THE SHARE 709 SYSTEM, — PROGRAMMING AND MODIFICATION JACM592 128
CHANGING FROM ANALOG TO DIGITAL — PROGRAMMING BY DIGITAL TECHNIQUES JACM601 10
COMPUTER — PROGRAMMING FOR YOUNG STUDENTS JACM584 309
PROBLEMS INTEGER — PROGRAMMING FORMULATION OF TRAVELING SALESMAN JACM604 326
A TRANSLATOR-ORIENTED SYMBOLIC — PROGRAMMING LANGUAGE JACM624 480
STANDARDIZED — PROGRAMMING METHODS AND UNIVERSAL CODING JACM573 254
AN AUTOMATIC — PROGRAMMING ROUTINE FOR THE ELLIOTT 401 JACM572 151
COMPUTERS TWO — PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS JACM573 274
SOME — PROGRAMMING TECHNIQUES FOR THE ERMETH JACM551 1
ON AN APPLICATION OF DYNAMIC — PROGRAMMING TO THE SYNTHESIS OF LOGICAL SYSTEMS JACM594 486
PROBLEM DYNAMIC — PROGRAMMING TREATMENT OF THE TRAVELLING SALESMAN JACM621 61
CATEGORIZING AUTOMATA BY W-MACHINE — PROGRAMS JACM613 384
FOR THE TEST AND EVALUATION OF REAL-TIME COMPUTER — PROGRAMS SIMULATION TECHNIQUES JACM573 354
A SYSTEM FOR GENERATING — 'PRONOUNCEABLE' NAMES USING A COMPUTER JACM611 97
COMPUTER A MECHANICAL — PROOF PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC JACM602 102
EFFECT OF — PROPAGATED ERROR ON INVERSE OF HILBERT MATRIX JACM571 36
PREVENTION OF — PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS JACM564 348
UTION OF ORDINARY DIFFERENTIAL EQUATIONS BY REPEA/ — PROPAGATION OF TRUNCATION ERRORS IN THE NUMERICAL SOL JACM551 5
NOTE ON THE PRACTICAL COMPUTATION OF — PROPER VALUES JACM593 360
CHING AND SORTING SOME COMBINATORIAL — PROPERTIES OF CERTAIN TREES WITH APPLICATIONS TO SEAR JACM621 13
Y DIFFERENTIAL EQUATIONS STABILITY — PROPERTIES OF PREDICTOR-CORRECTOR METHODS FOR ORDINAR JACM624 457
LATTICE — PROPERTIES OF SEQUENTIAL MACHINES JACM633 365
CONNECTIVE — PROPERTIES PRESERVED IN MINIMAL STATE MACHINES JACM604 311
ON A PERIODIC — PROPERTY OF PSEUDO-RANDOM SEQUENCES JACM583 261
A — PROPERTY OF SEMI-DEFINITE HERMITIAN MATRICES JACM583 244
S INTEGRAL EQUATION — PROPOSED METHODS FOR THE ANALOG SOLUTION OF FREDHOLM' JACM584 357
L MACHINES IN CHEMISTRY (USSR) THE — PROSPECTS FOR THE UTILIZATION OF INFORMATIONAL-LOGICA JACM612 240
THEOREM- — PROVING ON THE COMPUTER JACM632 163
EASIAC, A — PSEUDO-COMPUTER JACM562 65
A NEW — PSEUDO-RANDOM NUMBER GENERATOR JACM601 75
NOTES ON A NEW — PSEUDO-RANDOM NUMBER GENERATOR JACM612 163
SERIAL CORRELATION IN THE GENERATION OF — PSEUDO-RANDOM NUMBERS JACM601 72

— ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353

NOTES ON A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM601 75
SERIAL CORRELATION IN THE GENERATION OF PSEUDO-RANDOM NUMBERS JACM612 163
JACM601 72

ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353
THE GENERATION OF PSEUDO-RANDOM NUMBERS ON A DECIMAL CALCULATOR JACM542 88
ON A PERIODIC PROPERTY OF PSEUDO-RANDOM SEQUENCES JACM583 261
PROGRAMMERS PSYCHOLOGICAL TESTS AND SELECTION OF COMPUTER JACM573 348
MAGNETIC DRUM DATA PROCESSING MACHINE PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 JACM544 173
ACM PUBLICATION POLICIES AND PLANS JACM592 121
BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS ON PUNCH CARD MACHINES A METHOD OF SOLVING JACM543 101
AUTOMATIC STRAIN-GAGE AND THERMOCOUPLE RECORDING ON PUNCHED CARDS JACM541 36
A METHOD OF DETERMINING PLATE BENDING BY USE OF A PUNCHED-CARD MACHINE JACM543 105
AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION JACM581 89
A MULTIPLE PURPOSE ORTHONORMALIZING CODE AND ITS USES JACM544 183
COMPUTATION OF THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABLES JACM603 245
ND BY THE INVERSION OF THE LINEAR SYSTEM PRODUCED BY QUADRATURE /HOLM INTEGRAL EQUATIONS OF THE FIRST KI JACM631 97
COMPOSITE RULES A FAMILY OF QUADRATURE FORMULAS WHICH ACHIEVE HIGH ACCURACY IN JACM593 384
NUMERICAL QUADRATURE IN MANY DIMENSIONS JACM592 219
A COMPUTING PROCEDURE FOR QUANTIFICATION THEORY JACM603 201
ON QUASICYCLIC JACOBI METHODS JACM621 118
QUOTIENTS OF CONTEXT-FREE LANGUAGES JACM634 487
DIGITAL COMPUTERS RADIX EXCHANGE, AN INTERNAL SORTING METHOD FOR JACM592 156
OF THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABLES COMPUTATION JACM603 245
EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR JACM594 527
A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM601 75
NOTES ON A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM612 163
MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL MACHINES JACM632 131
SERIAL CORRELATION IN THE GENERATION OF PSEUDO-RANDOM NUMBERS JACM601 72
ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353
THE GENERATION OF PSEUDO-RANDOM NUMBERS ON A DECIMAL CALCULATOR JACM542 88
ON A PERIODIC PROPERTY OF PSEUDO-RANDOM SEQUENCES JACM583 261
ADDRESSING FOR RANDOM-ACCESS STORAGE WITH MULTIPLE BUCKET CAPACITIES JACM633 307
ON THE REDUCTION OF NUMBER RANGE IN THE USE OF THE GRAEFFE PROCESS JACM634 538
DIFFUSION EQUATION RATES OF CONVERGENCE IN NUMERICAL SOLUTION OF THE JACM561 29
IFFERENCE EQUATIONS ON THE INCREASE OF CONVERGENCE RATES OF RELAXATION PROCEDURES FOR ELLIPTIC PARTIAL D JACM601 29
RESENTATION OF POWER SERIES IN TERMS OF POLYNOMIALS, RATIONAL APPROXIMATIONS AND CONTINUED FRACTIONS REP JACM614 613
RATIONAL APPROXIMATIONS TO THE EXPONENTIAL FUNCTION JACM571 24
ES FOR CONTINUED FRACTIONS METHODS FOR FITTING RATIONAL APPROXIMATIONS, PART I, TELESCOPING PROCEDUR JACM602 150
METHODS FOR FITTING RATIONAL APPROXIMATIONS, PARTS II AND III JACM633 257
ECONOMIZATION OF RATIONAL FUNCTIONS JACM633 278
OTTING' ROUTINE FOR THE INVERSE LAPLACE TRANSFORM OF RATIONAL FUNCTIONS A 'CURVE PL JACM581 52
A SUBROUTINE FOR COMPUTATIONS WITH RATIONAL NUMBERS JACM561 6
THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES JACM591 59
METHOD FOR COMPUTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES ON THE CODING OF JACOBI'S JACM632 123
R FOR COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES /ARIABLE' STRUCTURE COMPUTE JACM621 41
FOOTNOTE TO 'THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES' JACM601 78
R FOR COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES' /RIABLE' STRUCTURE COMPUTE JACM624 522
CALCULATION OF THE EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX /ITERATIVE PROCEDURE FOR THE JACM563 223
MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER PROGRAMMING JACM623 387
SIMULATION TECHNIQUES FOR THE TEST AND EVALUATION OF REAL-TIME COMPUTER PROGRAMS JACM573 354
DIGITAL COMPUTERS FOR REAL-TIME SIMULATION JACM553 186

AN INVESTIGATION OF REAL-TIME SOLUTION OF THE TRANSPORTATION PROBLEM JACM612 230
A MECHANICAL PROOF PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC COMPUTER JACM602 102
REALIZATION OF EVENTS BY LOGICAL NETS JACM582 181
OPERATIONS USEFUL FOR SIMILARITY-INVARIANT PATTERN RECOGNITION JACM622 259
FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL STUDY JACM634 458
FINITE AUTOMATA, PATTERN RECOGNITION AND PERCEPTRONS JACM611 1
DIGITAL PATTERN RECOGNITION BY MOMENTS JACM622 240
ON THE RECOGNITION OF INFORMATION WITH A DIGITAL COMPUTER JACM572 178
AUTOMATIC STRAIN-GAGE AND THERMOCOUPLE RECORDING ON PUNCHED CARDS JACM541 36
PARTIAL DIFFERENTIAL EQUATION OPTIMUM RECURRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC JACM574 467
IMPLICIT VS. EXPLICIT RECURRENCE FORMULAS FOR THE LINEAR DIFFUSION EQUATION JACM551 42
RECURSIVE COMPUTATION OF CERTAIN INTEGRALS JACM611 21
COMPUTABILITY OF RECURSIVE FUNCTIONS JACM632 217
LANGUAGES SOME RECURSIVELY UNSOLVABLE PROBLEMS IN ALGOL-LIKE JACM631 29
THE METHOD OF REDUCED MATRICES FOR A GENERAL TRANSPORTATION PROBLEM JACM573 308
AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION JACM581 89
ULAR FORMS BY ELEMENTARY SIMILAR/ STABILITY OF THE REDUCTION OF A MATRIX TO ALMOST TRIANGULAR AND TRIANG JACM593 336
PROCESS ON THE REDUCTION OF NUMBER RANGE IN THE USE OF THE GRAEFFE JACM634 538
REDUCTION OF RUNS IN MULTIPARAMETER COMPUTATIONS JACM552 99
MACHINE ON THE REDUCTION OF SUPERFLUOUS STATES IN A SEQUENTIAL JACM592 259
MACHINES MULTIPLE REDUCTION OF VARIABLE DEPENDENCY OF SEQUENTIAL JACM623 324
WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
A DICTIONARY FOR MINIMUM REDUNDANCY ENCODING JACM634 413
ANALYSIS OF SHIFT REGISTER COUNTERS JACM584 385
FEASIBLE METHOD FOR HANDLING INCOMPLETE DATA IN REGRESSION ANALYSIS COMPUTER- JACM612 201
DESIGN OF SEQUENTIAL MACHINES FROM THEIR REGULAR EXPRESSIONS JACM614 585
TWO FAMILIES OF LANGUAGES RELATED TO ALGOL JACM623 350
EQUATIONS ON THE INCREASE OF CONVERGENCE RATES OF RELAXATION PROCEDURES FOR ELLIPTIC PARTIAL DIFFERENCE JACM601 29
RETRIEVAL ON RELEVANCE, PROBABILISTIC INDEXING AND INFORMATION JACM603 216
EQUIPMENT RELIABILITY AS APPLIED TO ANALOGUE COMPUTERS JACM541 21
REMARKS ON 'THE DIGITAL APPROXIMATION OF CONTOURS' JACM574 524
SERIES' REMARKS ON 'TSHEBYSHEFF APPROXIMATIONS FOR POWER JACM591 111
NONSYMMETRIC MATRIX REMARKS ON THE UNITARY TRIANGULARIZATION OF A JACM602 185
RICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS BY REPEATED CLOSURES /OF TRUNCATION ERRORS IN THE NUME JACM551 5
OF A DIFFERENTIAL EQUATION REPORT ON EXPERIMENTS IN APPROXIMATING THE SOLUTION JACM561 26
S, RATIONAL APPROXIMATIONS AND CONTINUED FRACTIONS REPRESENTATION OF POWER SERIES IN TERMS OF POLYNOMIAL JACM614 613
O/ ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT L JACM631 48
IN 'ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT L JACM632 256
ORDER PROCEDURE FOR SOLVING DIFFERENTIAL EQUATIONS REQUIRING MINIMUM STORAGE A KUTTA THIRD- JACM561 22
ELECTRONIC DIGITAL MACHINE (URAL) FOR ENGINEERING RESEARCH THE UNIVERSAL JACM574 511
OFFICE OF NAVAL RESEARCH DIGITAL COMPUTER NEWSLETTER SEE DCN
SORTING CARDS WITH RESPECT TO A MODULUS JACM571 41
GRAEFFE PROCESS RESULTANT PROCEDURE AND THE MECHANIZATION OF THE JACM604 346
A SIMPLE DESK-CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATIONS JACM553 205
MONIC DIFFERENCE EQUATION SOME COMPUTATIONAL RESULTS ON 'TWO-LINE' ITERATIVE METHODS FOR THE BIHAR JACM613 359
FURTHER RESULTS ON THE STRUCTURE OF SEQUENTIAL MACHINES JACM631 78
RETIRING PRESIDENTIAL ADDRESS JACM571 1
ON RELEVANCE, PROBABILISTIC INDEXING AND INFORMATION RETRIEVAL JACM603 216

RETIRING PRESIDENTIAL ADDRESS JACM571 1
ON RELEVANCE, PROBABILISTIC INDEXING AND INFORMATION RETRIEVAL JACM603 216

THE ASSOCIATION FACTOR IN INFORMATION RETRIEVAL JACM612 271
INFORMATION RETRIEVAL BASED ON LATENT CLASS ANALYSIS JACM624 512
ASSOCIATIVE DOCUMENT RETRIEVAL TECHNIQUES USING BIBLIOGRAPHIC INFORMATION JACM634 440
SOLUTION OF LINEAR SYSTEMS BY RICHARDSON'S METHOD JACM603 274
SYNTHESIS OF BINARY RING COUNTERS OF GIVEN PERIODS JACM603 287
SEMANTIC ROAD MAPS FOR LITERATURE SEARCHERS JACM614 553
MECHANISMS AND ROBOTS JACM552 61
TRUNCATION ERROR IN THE GRAEFFE ROOT-SQUARING METHOD JACM601 69
GENERATED ERROR IN ROTATIONAL TRIDIAGONALIZATION JACM584 335
ATION OF SYMMETRIC MATRIC/ MAXIMIZING FUNCTIONS OF ROTATIONS, EXPERIMENTS CONCERNING SPEED OF DIAGONALIZ JACM574 459
EQUATION ROUND-OFF ERROR IN THE NUMERICAL SOLUTION OF THE HEAT JACM591 48
AN AUTOMATIC PROGRAMMING ROUTINE FOR THE ELLIOTT 401 JACM572 151
FUNCTIONS A 'CURVE PLOTTING' ROUTINE FOR THE INVERSE LAPLACE TRANSFORM OF RATIONAL JACM581 52
TEST ROUTINES BASED ON SYMBOLIC LOGICAL STATEMENTS JACM591 33
FORMULAS WHICH ACHIEVE HIGH ACCURACY IN COMPOSITE RULES A FAMILY OF QUADRATURE JACM593 384
ERALIZATION OF A THEOREM OF CARR ON ERROR BOUNDS FOR RUNGE-KUTTA PROCEDURES A GEN JACM601 57
ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION PROCESS JACM581 39
L EQUATIONS AN EVALUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER ORDER DIFFERENTIA JACM614 637
RUNNING A COMPUTER EFFICIENTLY JACM543 124
REDUCTION OF RUNS IN MULTIPARAMETER COMPUTATIONS JACM552 99
DYNAMIC PROGRAMMING TREATMENT OF THE TRAVELLING SALESMAN PROBLEM JACM621 61
INTEGER PROGRAMMING FORMULATION OF TRAVELING SALESMAN PROBLEMS JACM604 326
S A HIGH-SCANNING-RATE STORAGE DEVICE FOR COMPUTER APPLICATION JACM581 76
SWAC COMPUTATIONS FOR SOME M X N SCHEDULING PROBLEMS JACM574 438
MEMORY A GENERAL ANALYSIS OF VARIANCE SCHEME APPLICABLE TO A COMPUTER WITH A VERY LARGE JACM594 469
SURVEY OF ANALOG MULTIPLICATION SCHEMES JACM541 27
ELECTRONIC CALCULATING MACHINE OF THE ACADEMY OF SCIENCES OF THE U.S.S.R. THE HIGH-SPEED JACM563 129
ALGORITHMS FOR PARALLEL-SEARCH MEMORIES JACM624 488
PROBLEMS 'DIRECT SEARCH' SOLUTION OF NUMERICAL AND STATISTICAL JACM612 212
SEMANTIC ROAD MAPS FOR LITERATURE SEARCHERS JACM614 553
PROPERTIES OF CERTAIN TREES WITH APPLICATIONS TO SEARCHING AND SORTING SOME COMBINATORIAL JACM621 13
TAPE SEARCHING TECHNIQUES JACM634 478
INFORMATION SEARCHING WITH THE 701 CALCULATOR JACM572 131
INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND NEW FORMULAS FOR COMPUTING JACM594 515
INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS FORMULAS FOR COMPUTING JACM632 126
UTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS' ERRATUM IN 'FORMULAS FOR COMP JACM633 412
PSYCHOLOGICAL TESTS AND SELECTION OF COMPUTER PROGRAMMERS JACM573 348
INDUCTIVE INFERENCE A NOTE ON THE SELF-CONSISTENCY OF DEFINITIONS OF GENERALIZATION AND JACM622 280
SEMANTIC ROAD MAPS FOR LITERATURE SEARCHERS JACM614 553
SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I JACM564 299
A SEMI-DECISION PROCEDURE FOR THE FUNCTIONAL CALCULUS JACM631 1
A PROPERTY OF SEMI-DEFINITE HERMITIAN MATRICES JACM583 244
ON THE STRUCTURES OF AN AUTOMATON AND ITS INPUT SEMIGROUP JACM634 521
ON A PERIODIC PROPERTY OF PSEUDO-RANDOM SEQUENCES JACM583 261
ON STURM SEQUENCES FOR TRIDIAGONAL MATRICES JACM603 260
ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353
SEQUENCING ASPECTS OF MULTIPROGRAMMING JACM613 426
PROGRAMMING AN AUTOMATIC SEQUENCING PROCEDURE WITH APPLICATION TO PARALLEL JACM614 513

E CARLO PROCEDURES THE APPLICATION OF SEQUENTIAL ESTIMATION TO COMPUTER SIMULATION AND MONT JACM584 343
SEQUENTIAL FUNCTIONS JACM582 177
ON THE REDUCTION OF SUPERFLUOUS STATES IN A SEQUENTIAL MACHINE JACM592 259
MULTIPLE REDUCTION OF VARIABLE DEPENDENCY OF SEQUENTIAL MACHINES JACM623 324
FURTHER RESULTS ON THE STRUCTURE OF SEQUENTIAL MACHINES JACM631 78
LATTICE PROPERTIES OF SEQUENTIAL MACHINES JACM633 365
INIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENTIAL MACHINES LEAST UPPER BOUNDS ON M JACM614 601
IN THE SOLUTION OF THE STATE ASSIGNMENT PROBLEM OF SEQUENTIAL MACHINES USE OF DECOMPOSITION THEORY JACM633 386
DESIGN OF SEQUENTIAL MACHINES FROM THEIR REGULAR EXPRESSIONS JACM614 585
PROGRAMMING SEQUENTIAL MACHINES, AMBIGUITY, AND DYNAMIC JACM601 24
A STATE VARIABLE ASSIGNMENT METHOD FOR ASYNCHRONOUS SEQUENTIAL SWITCHING CIRCUITS JACM632 209
NUMBERS SERIAL CORRELATION IN THE GENERATION OF PSEUDO-RANDOM JACM601 72
CALCULATION OF GENERALIZED HYPERGEOMETRIC SERIES JACM544 170
AUTOMATIC COMPUTATIONS WITH POWER SERIES JACM561 10
TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES JACM574 487
ORDER DIFFERENT/ NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST JACM613 374
NS AND CONTINUED FRACTIONS REPRESENTATION OF POWER SERIES IN TERMS OF POLYNOMIALS, RATIONAL APPROXIMATIO JACM614 613
REMARKS ON 'TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES' JACM591 111
PPROXIMATION TO A FUNCTION DEFINED ON A FINITE POINT SET /ERMINATION OF THE POLYNOMIAL OF BEST MINIMAX A JACM593 395
L CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER DIFFERENTIAL EQUATION JACM613 374
FINITE AUTOMATA AND THE SET OF SQUARES JACM634 528
SETS OF TAPES ACCEPTED BY DIFFERENT TYPES OF AUTOMATA JACM611 81
THE SHARE 709 SYSTEM, A COOPERATIVE EFFORT JACM592 123
THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION JACM592 141
PROGRAMMING THE SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF SYMBOLIC JACM592 134
THE SHARE 709 SYSTEM, PROGRAMMED INPUT-OUTPUT BUFFERING JACM592 145
THE SHARE 709 SYSTEM, PROGRAMMING AND MODIFICATION JACM592 128
THE SHARE 709 SYSTEM, SUPERVISORY CONTROL JACM592 152
ANALYSIS OF SHIFT REGISTER COUNTERS JACM584 385
SINGLE FUNCTION SHIFTING COUNTERS JACM623 375
ALMOST TRIANGULAR AND TRIANGULAR FORMS BY ELEMENTARY SIMILARITY TRANSFORMATIONS /DUCTION OF A MATRIX TO JACM593 336
OPERATIONS USEFUL FOR SIMILARITY-INVARIANT PATTERN RECOGNITION JACM622 259
ULTS OF DIGITAL-COMPUTER ARITHMETIC OPERATIONS A SIMPLE DESK-CALCULATOR METHOD FOR CHECKING BINARY RES JACM553 205
A SIMPLE SORTING ALGORITHM JACM632 142
SIMPLIFICATION OF A CLASS OF BOOLEAN FUNCTIONS JACM581 67
CONDITIONS SOME METHODS FOR SIMPLIFYING SWITCHING CIRCUITS USING 'DONT CARE' JACM614 497
COMPUTER METHODS OF SIMULATING A DIFFERENTIAL ANALYZER ON A DIGITAL JACM583 281
DIGITAL COMPUTERS FOR REAL-TIME SIMULATION JACM553 186
THE APPLICATION OF SEQUENTIAL ESTIMATION TO COMPUTER SIMULATION AND MONTE CARLO PROCEDURES JACM584 343
TRANSFER FUNCTION SIMULATION BY MEANS OF AMPLIFIERS AND POTENTIOMETERS JACM563 186
THE DESIGN AND SIMULATION OF AN INFORMATION PROCESSING SYSTEM JACM612 260
COMPUTER SIMULATION OF DIGITAL FILTERS ON AN ELECTRONIC ANALOG JACM561 16
GENERALIZED SIMULATION OF POST OFFICE SYSTEMS JACM612 252
REAL-TIME COMPUTER PROGRAMS SIMULATION TECHNIQUES FOR THE TEST AND EVALUATION OF JACM573 354
RUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER DIFFERENTIAL EQUATIONS /ST JACM613 374
SINGLE FUNCTION SHIFTING COUNTERS JACM623 375
ON SINGLE VS. TRIPLE ADDRESS COMPUTING MACHINES JACM543 119
ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION PROCESS JACM581 39

DIFFERENTIAL EQUATION OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY JACM621 98

ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION PROCESS JACM581 39

DIFFERENTIAL EQUATION OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY JACM621 98
ERMINAL STATES OF A MACHINE ON THE LENGTH OF THE SMALLEST UNIFORM EXPERIMENT WHICH DISTINGUISHES THE T JACM583 266
INDEXING OF THE WORDS 'SOLUTION(S)' HAS BEEN PREVENTED 32 TIMES
INDEXING OF WORDS WITH THE ROOT 'SOLVE' HAS BEEN PREVENTED 10 TIMES
INDEXING OF THE WORD 'SOME' HAS BEEN PREVENTED 11 TIMES
OSCILLATING SORT, A NEW SORT MERGING TECHNIQUE JACM623 372
AMPHISBAENIC SORTING JACM594 459
COMPUTER TIME FOR ADDRESS CALCULATION SORTING JACM604 389
ANALYSIS OF INTERNAL COMPUTER SORTING JACM611 41
OF CERTAIN TREES WITH APPLICATIONS TO SEARCHING AND SORTING SOME COMBINATORIAL PROPERTIES JACM621 13
A SIMPLE SORTING ALGORITHM JACM632 142
SORTING BY ADDRESS CALCULATION JACM563 169
SORTING CARDS WITH RESPECT TO A MODULUS JACM571 41
RADIX EXCHANGE, AN INTERNAL SORTING METHOD FOR DIGITAL COMPUTERS JACM592 156
SORTING ON ELECTRONIC COMPUTER SYSTEMS JACM563 134
A SORTING PROBLEM JACM622 282
LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM602 187
LETTERS TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM611 117
LETTER TO THE EDITOR ON 'AMPHISBAENIC SORTING' JACM614 649
TO THE EDITOR ON 'ANALYSIS OF INTERNAL COMPUTER SORTING' LETTER JACM614 649
DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE VARIABLES ALTERNATING JACM624 450
AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION JACM581 89
A METHOD FOR OBTAINING SPECIFIC VALUES OF COMPILING-PARAMETER FUNCTIONS JACM623 379
SYSTEM SPECIFICATIONS FOR THE DYSEAC JACM542 57
ON THE SPECTRAL NORMS OF SEVERAL ITERATIVE PROCESSES JACM594 494
IZING FUNCTIONS OF ROTATIONS, EXPERIMENTS CONCERNING SPEED OF DIAGONALIZATION OF SYMMETRIC MATRICES USING JACM574 459
THE IBM 701 SPEEDCODING SYSTEM JACM541 4
GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL COMPUTERS JACM593 366
ON THE VIBRATION OF A SQUARE CLAMPED PLATE JACM553 162
FINITE AUTOMATA AND THE SET OF SQUARES JACM634 528
ON LEAST SQUARES SOLUTIONS OF LINEAR EQUATIONS JACM614 628
TRUNCATION ERROR IN THE GRAEFFE ROOT-SQUARING METHOD JACM601 69
A STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM593 363
THE WILF STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM634 557
STABILITY OF A GENERALIZED CORRECTOR FORMULA JACM621 104
EQUATIONS STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL JACM592 196
EQUATIONS, PART II STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL JACM601 46
A. NECESSARY AND SUFFICIENT CONDITION FOR STABILITY OF PARTIAL DIFFERENCE EQUATION PROBLEMS JACM602 163
NGULAR AND TRIANGULAR FORMS BY ELEMENTARY SIMILAR/ STABILITY OF THE REDUCTION OF A MATRIX TO ALMOST TRIA JACM593 336
FOR ORDINARY DIFFERENTIAL EQUATIONS STABILITY PROPERTIES OF PREDICTOR-CORRECTOR METHODS JACM624 457
FOURTH ORDER PARABOLIC EQUATION A STABLE IMPLICIT FINITE DIFFERENCE APPROXIMATION TO A JACM571 18
DIFFERENTIAL EQUATIONS STABLE PREDICTOR-CORRECTOR METHODS FOR ORDINARY JACM591 37
STANDARDIZED PROGRAMMING METHODS AND UNIVERSAL CODING JACM573 254
CORRECTOR METHOD A STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR- JACM602 176
5-SYMBOL 8-STATE AND 5-SYMBOL 6-STATE UNIVERSAL TURING MACHINES JACM614 476
USE OF DECOMPOSITION THEORY IN THE SOLUTION OF THE STATE ASSIGNMENT PROBLEM OF SEQUENTIAL MACHINES JACM633 386
NES LEAST UPPER BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENTIAL MACHI JACM614 601
CONNECTIVE PROPERTIES PRESERVED IN MINIMAL STATE MACHINES JACM604 311

SEQUENTIAL SWITCHING CIRCUITS, A — STATE VARIABLE ASSIGNMENT METHOD FOR ASYNCHRONOUS — JACM632 209
TEST ROUTINES BASED ON SYMBOLIC LOGICAL — STATEMENTS — JACM591 33
ON THE REDUCTION OF SUPERFLUOUS — STATES IN A SEQUENTIAL MACHINE — JACM592 259
COMPATIBILITY OF — STATES IN INPUT-INDEPENDENT MACHINES — JACM613 400
UNIFORM EXPERIMENT WHICH DISTINGUISHES THE TERMINAL — STATES OF A MACHINE ON THE LENGTH OF THE SMALLEST — JACM583 266
'DIRECT SEARCH' SOLUTION OF NUMERICAL AND — STATISTICAL PROBLEMS — JACM612 212
ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE- — STEP INTEGRATION PROCESS — JACM581 39
TRIBUTION PROBLEM, WITH APPLICATION TO THE DESIGN OF — STOCHASTIC GENERATORS ON A WEIGHT DIS — JACM631 110
FOR SOLVING DIFFERENTIAL EQUATIONS REQUIRING MINIMUM — STORAGE A KUTTA THIRD-ORDER PROCEDURE — JACM561 22
A HIGH-SCANNING-RATE — STORAGE DEVICE FOR COMPUTER APPLICATIONS — JACM581 76
SEMI-AUTOMATIC ALLOCATION OF DATA — STORAGE FOR PACT I — JACM564 299
WIND TUNNEL DATA REDUCTION USING PAPER-TAPE — STORAGE MEDIA — JACM562 101
ADDRESSING FOR RANDOM-ACCESS — STORAGE WITH MULTIPLE BUCKET CAPACITIES — JACM633 307
CARDS AUTOMATIC — STRAIN-GAGE AND THERMOCOUPLE RECORDING ON PUNCHED — JACM541 36
PROGRAM FOR DOUBLE-DUMMY BRIDGE PROBLEMS, A NEW — STRATEGY FOR MECHANICAL GAME PLAYING — JACM633 357
— STRUCTURE AND USE OF ALGOL 60 — JACM622 161
EIGENVEC/ ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' — STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND — JACM621 41
ADDENDUM TO 'ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' — STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND — JACM624 522
A GENERAL TRANSLATION PROGRAM FOR PHRASE — STRUCTURE LANGUAGES — JACM621 1
G TRANSFORMATION GROUP THE — STRUCTURE OF AN AUTOMATON AND ITS OPERATION-PRESERVIN — JACM623 345
MATHEMATICAL — STRUCTURE OF NONARITHMETIC DATA PROCESSING PROCEDURES — JACM621 136
FURTHER RESULTS ON THE — STRUCTURE OF SEQUENTIAL MACHINES — JACM631 78
ON THE — STRUCTURES OF AN AUTOMATON AND ITS INPUT SEMIGROUP — JACM634 521
COMPUTER PROGRAMMING FOR YOUNG — STUDENTS — JACM584 309
WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL — STUDY FEATURE WORD CONSTRUCTION FOR USE — JACM634 458
ANALOGUE — STUDY OF ELECTRON TRAJECTORIES — JACM551 28
ENGLISH WORDS AND NAMES A — STUDY OF METHODS FOR SYSTEMATICALLY ABBREVIATING — JACM614 538
ON — STURM SEQUENCES FOR TRIDIAGONAL MATRICES — JACM603 260
AMMING AND INFORMATION THE/ A METHOD FOR OBTAINING — SUBOPTIMAL GROUP-TESTING POLICIES USING DYNAMIC PROGR — JACM631 89
A — SUBROUTINE FOR COMPUTATIONS WITH RATIONAL NUMBERS — JACM561 6
COMPUTER GENERATION OF OPTIMIZED — SUBROUTINES — JACM611 104
TO THE EDITOR ON 'COMPUTER GENERATION OF OPTIMIZED — SUBROUTINES' LETTER — JACM614 648
GENERALIZATION, KEY TO — SUCCESSFUL ELECTRONIC DATA PROCESSING — JACM591 1
NCE EQUATION PROBLEMS A NECESSARY AND — SUFFICIENT CONDITION FOR STABILITY OF PARTIAL DIFFERE — JACM602 163
ON THE REDUCTION OF — SUPERFLUOUS STATES IN A SEQUENTIAL MACHINE — JACM592 259
THE SHARE 709 SYSTEM, — SUPERVISORY CONTROL — JACM592 152
— SURVEY OF ANALOG MULTIPLICATION SCHEMES — JACM541 27
— SWAC COMPUTATIONS FOR SOME M X N SCHEDULING PROBLEMS — JACM574 438
FOR DATA FITTING — SWAC EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS — JACM581 9
ASSIGNMENT METHOD FOR ASYNCHRONOUS SEQUENTIAL — SWITCHING CIRCUITS A STATE VARIABLE — JACM632 209
SOME METHODS FOR SIMPLIFYING — SWITCHING CIRCUITS USING 'DONT CARE' CONDITIONS — JACM614 497
THE DESIGN AND USE OF HAZARD-FREE — SWITCHING NETWORKS — JACM571 47
A DESCRIPTIVE LANGUAGE FOR — SYMBOL MANIPULATION — JACM614 579
MACHINES 5-SYMBOL 8-STATE AND 5-SYMBOL 6-STATE UNIVERSAL TURING — JACM614 476
— SYMBOLIC DESIGNATIONS FOR ELECTRICAL CONNECTIONS — JACM574 420
A HEURISTIC PROGRAM THAT SOLVES — SYMBOLIC INTEGRATION PROBLEMS IN FRESHMAN CALCULUS — JACM634 507
TEST ROUTINES BASED ON — SYMBOLIC LOGICAL STATEMENTS — JACM591 33
THE SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF — SYMBOLIC PROGRAMMING — JACM592 134
A TRANSLATOR-ORIENTED — SYMBOLIC PROGRAMMING LANGUAGE — JACM624 480
THE JACOBI METHOD FOR REAL — SYMMETRIC MATRICES — JACM591 59

TEST ROUTINES BASED ON SYMBOLIC LOGICAL STATEMENTS JACM591 55
THE SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF SYMBOLIC PROGRAMMING JACM592 134

A TRANSLATOR-ORIENTED SYMBOLIC PROGRAMMING LANGUAGE JACM624 480
THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES JACM591 59
D FOR COMPUTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES ON THE CODING OF JACOBI'S METHO JACM632 123
COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES /ARIABLE' STRUCTURE COMPUTER FOR JACM621 41
, EXPERIMENTS CONCERNING SPEED OF DIAGONALIZATION OF SYMMETRIC MATRICES USING JACOBI'S METHOD /ROTATIONS JACM574 459
FOOTNOTE TO 'THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES' JACM601 78
COMPUTATION OF EIGENVALUES AND EIGENVECTORS OF REAL SYMMETRIC MATRICES' /RIABLE' STRUCTURE COMPUTER FOR JACM624 522
LATION OF THE EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX /ITERATIVE PROCEDURE FOR THE CALCU JACM563 223
SYNTACTIC ANALYSIS AND OPERATOR PRECEDENCE JACM633 316
SYNTHESIS OF BINARY RING COUNTERS OF GIVEN PERIODS JACM603 287
ON AN APPLICATION OF DYNAMIC PROGRAMMING TO THE SYNTHESIS OF LOGICAL SYSTEMS JACM594 486
THE IBM 701 SPEEDCODING SYSTEM JACM541 4
PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
DESIGN AND SIMULATION OF AN INFORMATION PROCESSING SYSTEM THE JACM612 260
VENTURE IN THE PRODUCTION OF AN AUTOMATIC CODING SYSTEM A DESCRIPTION OF A COOPERATIVE JACM564 266
A DUAL MASTER FILE SYSTEM FOR A TAPE PROCESSING COMPUTER JACM584 319
A SYSTEM FOR GENERAL-PURPOSE ANALOG-DIGITAL COMPUTATION JACM571 12
COMPUTER A SYSTEM FOR GENERATING 'PRONOUNCEABLE' NAMES USING A JACM611 97
701 COMPUTER A GENERAL SYSTEM FOR HANDLING ALPHAMERIC INFORMATION ON THE IBM JACM563 175
AN INTEGRATED COMPUTATION SYSTEM FOR THE ERA-1103 JACM563 181
THE PACT I CODING SYSTEM FOR THE IBM TYPE 701 JACM564 272
SYSTEM HANDLING OF FUNCTIONAL OPERATORS JACM612 168
TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT JACM554 243
ON THE INVERSION COMPLEXITY OF A SYSTEM OF FUNCTIONS JACM584 331
AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM OF LINEAR EQUATIONS ON THE 'BEST' JACM573 341
MACHINE FEATURES FOR A MORE AUTOMATIC MONITORING SYSTEM ON DIGITAL COMPUTERS JACM572 172
TEST OF AN INVENTORY CONTROL SYSTEM ON FERUT JACM572 121
ONS OF THE FIRST KIND BY THE INVERSION OF THE LINEAR SYSTEM PRODUCED BY QUADRATURE /HOLM INTEGRAL EQUATI JACM631 97
SYSTEM SPECIFICATIONS FOR THE DYSEAC JACM542 57
THE SHARE 709 SYSTEM, A COOPERATIVE EFFORT JACM592 123
THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION JACM592 141
G THE SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF SYMBOLIC PROGRAMMIN JACM592 134
THE SHARE 709 SYSTEM, PROGRAMMED INPUT-OUTPUT BUFFERING JACM592 145
THE SHARE 709 SYSTEM, PROGRAMMING AND MODIFICATION JACM592 128
THE SHARE 709 SYSTEM, SUPERVISORY CONTROL JACM592 152
A STUDY OF METHODS FOR SYSTEMATICALLY ABBREVIATING ENGLISH WORDS AND NAMES JACM614 538
SORTING ON ELECTRONIC COMPUTER SYSTEMS JACM563 134
TECHNIQUES FOR ENUMERATING VEBLEN-WEDDERBURN SYSTEMS JACM604 330
GENERALIZED SIMULATION OF POST OFFICE SYSTEMS JACM612 252
OUTLINE FOR A LOGICAL THEORY OF ADAPTIVE SYSTEMS JACM623 297
ON THE AMBIGUITY PROBLEM OF BACKUS SYSTEMS JACM624 477
OF DYNAMIC PROGRAMMING TO THE SYNTHESIS OF LOGICAL SYSTEMS ON AN APPLICATION JACM594 486
NTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS /PROGRAM FOR OBTAINING IRREDUCIBLE REPRESE JACM631 48
SOLUTION OF LINEAR SYSTEMS BY RICHARDSON'S METHOD JACM603 274
ALTERNATING DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE VARIABLES JACM624 450
NUMERICAL SOLUTION OF SYSTEMS OF NONLINEAR EQUATIONS JACM634 550
NTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS' /PROGRAM FOR OBTAINING IRREDUCIBLE REPRESE JACM632 256
CONDENSATION AND LOOK-UP PROCEDURES FOR DOUBLE ENTRY TABLES JACM574 456

A DUAL MASTER FILE SY..TEM FOR A TAPE PROCESSING COMPUTER JACM584 319
TAPE SEARCHING TECHNIQUES JACM634 478
WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
SETS OF TAPES ACCEPTED BY DIFFERENT TYPES OF AUTOMATA JACM611 81
S FIRST ORDER DIFFERENT/ NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOU JACM613 374
CONCLUSIONS AFTER USING THE PACT I ADVANCED CODING TECHNIQUE JACM564 309
OSCILLATING SORT, A NEW SORT MERGING TECHNIQUE JACM623 372
RAL EQUATIONS OF THE FIRST KIND A TECHNIQUE FOR THE NUMERICAL SOLUTION OF CERTAIN INTEG JACM621 84
A HIGH-SPEED COMPUTER TECHNIQUE FOR THE TRANSPORTATION PROBLEM JACM582 132
TAPE SEARCHING TECHNIQUES JACM634 478
FROM ANALOG TO DIGITAL PROGRAMMING BY DIGITAL TECHNIQUES CHANGING JACM601 10
TECHNIQUES FOR ENUMERATING VEBLEN-WEDDERBURN SYSTEMS JACM604 330
TWO PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS COMPUTERS JACM573 274
MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER PROGRAMMING JACM623 387
SOME PROGRAMMING TECHNIQUES FOR THE ERMETH JACM551 1
COMPUTER PROGRAMS SIMULATION TECHNIQUES FOR THE TEST AND EVALUATION OF REAL-TIME JACM573 354
ASSOCIATIVE DOCUMENT RETRIEVAL TECHNIQUES USING BIBLIOGRAPHIC INFORMATION JACM634 440
METHODS FOR FITTING RATIONAL APPROXIMATIONS, PART I, TELESCOPING PROCEDURES FOR CONTINUED FRACTIONS JACM602 150
IAL MACHINES LEAST UPPER BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENT JACM614 601
SMALLEST UNIFORM EXPERIMENT WHICH DISTINGUISHES THE TERMINAL STATES OF A MACHINE ON THE LENGTH OF THE JACM583 266
FORMAL PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH JACM574 428
TINUED FRACTIONS REPRESENTATION OF POWER SERIES IN TERMS OF POLYNOMIALS, RATIONAL APPROXIMATIONS AND CON JACM614 613
SIMULATION TECHNIQUES FOR THE TEST AND EVALUATION OF REAL-TIME COMPUTER PROGRAMS JACM573 354
TEST OF AN INVENTORY CONTROL SYSTEM ON FERUT JACM572 121
TEST ROUTINES BASED ON SYMBOLIC LOGICAL STATEMENTS JACM591 33
PROBLEMS IN ACCEPTANCE TESTING OF DIGITAL COMPUTERS JACM542 82
TESTING OF OPERATIONAL AMPLIFIERS JACM552 92
ATION THE/ A METHOD FOR OBTAINING SUBOPTIMAL GROUP-TESTING POLICIES USING DYNAMIC PROGRAMMING AND INFORM JACM631 89
PSYCHOLOGICAL TESTS AND SELECTION OF COMPUTER PROGRAMMERS JACM573 348
EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR JACM594 527
MAINTENANCE AND ACCEPTANCE TESTS USED ON THE MIDAC JACM552 95
INDEXING OF THE WORD 'THE' HAS BEEN PREVENTED 180 TIMES
INDEXING OF THE WORD 'THEIR' HAS BEEN PREVENTED 4 TIMES
PROCEDURES A GENERALIZATION OF A THEOREM OF CARR ON ERROR BOUNDS FOR RUNGE-KUTTA JACM601 57
A THEOREM ON BOOLEAN MATRICES JACM621 11
THEOREM-PROVING ON THE COMPUTER JACM632 163
A COMPUTING PROCEDURE FOR QUANTIFICATION THEORY JACM603 201
BASIC BUILDING BLOCK OF AN EXTENDED DECOMPOSITION THEORY GENERALIZED TREE CIRCUIT, THE JACM634 562
G POLICIES USING DYNAMIC PROGRAMMING AND INFORMATION THEORY /ETHOD FOR OBTAINING SUBOPTIMAL GROUP-TESTIN JACM631 89
M OF SEQUENTIAL MACHINES USE OF DECOMPOSITION THEORY IN THE SOLUTION OF THE STATE ASSIGNMENT PROBLE JACM633 386
OUTLINE FOR A LOGICAL THEORY OF ADAPTIVE SYSTEMS JACM623 297
A VARIANT TO TURING'S THEORY OF COMPUTING MACHINES JACM571 63
AUTOMATIC STRAIN-GAGE AND THERMOCOUPLE RECORDING ON PUNCHED CARDS JACM541 36
ONS REQUIRING MINIMUM STORAGE A KUTTA THIRD-ORDER PROCEDURE FOR SOLVING DIFFERENTIAL EQUATI JACM561 22
TRANSLATION THREE LEVELS OF LINGUISTIC ANALYSIS IN MACHINE JACM591 24
FUNCTION DETERMINATION OF THREE PERCENTILES OF THE OMEGA-SUB-N DISTRIBUTION JACM574 472
A STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR-CORRECTOR METHOD JACM602 176
AN EXTENSION OF MILNE'S THREE-POINT METHOD JACM563 212

MINIMIZING DRUM LATENCY TIME JACM612 119
MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER PROGRAMMING JACM623 387

A STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR-CORRECTOR METHOD JACM602 176
AN EXTENSION OF MILNE'S THREE-POINT METHOD JACM563 212

MINIMIZING DRUM LATENCY TIME JACM612 119
MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER PROGRAMMING JACM623 387
COMPUTER TIME FOR ADDRESS CALCULATION SORTING JACM604 389
INDEXING OF THE WORD 'TO' HAS BEEN PREVENTED 32 TIMES
PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH FORMAL JACM574 428
ANALOGUE STUDY OF ELECTRON TRAJECTORIES JACM551 28
COMPUTER SOLUTION OF ALGEBRAIC AND TRANSCENDENTAL EQUATIONS ON AN AUTOMATIC DIGITAL JACM591 97
TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT JACM554 243
ON COMPUTER TRANSCRIPTION OF MANUAL MORSE JACM593 429
AND POTENTIOMETERS TRANSFER FUNCTION SIMULATION BY MEANS OF AMPLIFIERS JACM563 186
CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP MEASUREMENTS JACM583 289
A NEW METHOD FOR THE PAYMENT OF BILLS AND THE TRANSFER OF CREDIT JACM602 140
PROGRAM FOR THE EVALUATION OF THE INVERSE LAPLACE TRANSFORM A GENERAL CARD- JACM551 18
A 'CURVE PLOTTING' ROUTINE FOR THE INVERSE LAPLACE TRANSFORM OF RATIONAL FUNCTIONS JACM581 52
OF AN AUTOMATON AND ITS OPERATION-PRESERVING TRANSFORMATION GROUP THE STRUCTURE JACM623 345
NGULAR AND TRIANGULAR FORMS BY ELEMENTARY SIMILARITY TRANSFORMATIONS /DUCTION OF A MATRIX TO ALMOST TRIA JACM593 336
AN ALGORITHM FOR TRANSLATING BOOLEAN EXPRESSIONS JACM622 222
LANGUAGE TRANSLATION JACM581 1
THREE LEVELS OF LINGUISTIC ANALYSIS IN MACHINE TRANSLATION JACM591 24
THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION JACM592 141
A GENERAL TRANSLATION PROGRAM FOR PHRASE STRUCTURE LANGUAGES JACM621 1
A TRANSLATOR-ORIENTED SYMBOLIC PROGRAMMING LANGUAGE JACM624 480
THE METHOD OF REDUCED MATRICES FOR A GENERAL TRANSPORTATION PROBLEM JACM573 308
A HIGH-SPEED COMPUTER TECHNIQUE FOR THE TRANSPORTATION PROBLEM JACM582 132
AN INVESTIGATION OF REAL-TIME SOLUTION OF THE TRANSPORTATION PROBLEM JACM612 230
A METHOD FOR TRANSPOSING A MATRIX JACM584 383
LETTER TO THE EDITOR ON 'A METHOD FOR TRANSPOSING A MATRIX' JACM592 305
INTEGER PROGRAMMING FORMULATION OF TRAVELING SALESMAN PROBLEMS JACM604 326
DYNAMIC PROGRAMMING TREATMENT OF THE TRAVELLING SALESMAN PROBLEM JACM621 61
NTIAL EQUATION NUMERICAL TREATMENT OF A FOURTH ORDER PARABOLIC PARTIAL DIFFERE JACM543 111
DYNAMIC PROGRAMMING TREATMENT OF THE TRAVELLING SALESMAN PROBLEM JACM621 61
A GENERALIZED TREE CIRCUIT JACM614 484
DECOMPOSITION THEORY GENERALIZED TREE CIRCUIT, THE BASIC BUILDING BLOCK OF AN EXTENDED JACM634 562
SOME COMBINATORIAL PROPERTIES OF CERTAIN TREES WITH APPLICATIONS TO SEARCHING AND SORTING JACM621 13
F THE REDUCTION OF A MATRIX TO ALMOST TRIANGULAR AND TRIANGULAR FORMS BY ELEMENTARY SIMILARITY TRANSFORMAT JACM593 336
UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM584 339
REMARKS ON THE UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM602 185
ON STURM SEQUENCES FOR TRIDIAGONAL MATRICES JACM603 260
GENERATED ERROR IN ROTATIONAL TRIDIAGONALIZATION JACM584 335
COMPUTATION OF THE NUMBER OF SOLUTIONS OF CERTAIN TRINOMIAL CONGRUENCES ON THE JACM574 505
ON SINGLE VS. TRIPLE ADDRESS COMPUTING MACHINES JACM543 119
INVERSION OF TRIPLE-DIAGONAL COMPOUND MATRICES JACM621 71
TRUNCATION ERROR IN THE GRAEFFE ROOT-SQUARING METHOD JACM601 69
LUTIONS OF DIRICHLET PROBLEMS IN A DOMAIN/ ON THE TRUNCATION ERROR OF DISCRETE APPROXIMATIONS TO THE SO JACM581 32
RY DIFFERENTIAL EQUATIONS BY REPEA/ PROPAGATION OF TRUNCATION ERRORS IN THE NUMERICAL SOLUTION OF ORDINA JACM551 5
AIDS FOR DETERMINING THE MINIMAL FORM OF A TRUTH FUNCTION COMPUTATIONAL JACM604 299
BURROUGHS TRUTH FUNCTION EVALUATOR JACM572 189
LOGIC MATRICES AND THE TRUTH FUNCTION PROBLEM JACM593 405

TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES JACM574 487
REMARKS ON 'TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES' JACM591 111
TSHEBYSHEFF SEE ALSO CHEBYCHEFF
WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
WORDS IN THE HISTORY OF A TURING MACHINE WITH A FIXED INPUT JACM634 526
5-SYMBOL 8-STATE AND 5-SYMBOL 6-STATE UNIVERSAL TURING MACHINES JACM614 476
TURING MACHINES, FINITE AUTOMATA AND NEURAL NETS JACM614 467
A VARIANT TO TURING'S THEORY OF COMPUTING MACHINES JACM571 63
BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENTIAL MACHINES LEAST UPPER JACM614 601
TWO FAMILIES OF LANGUAGES RELATED TO ALGOL JACM623 350
COMPUTERS TWO PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS JACM573 274
TWO-DIMENSIONAL PARITY CHECKING JACM612 186
ROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS /P JACM631 48
ROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUTPUT LOGICAL SYSTEMS' /P JACM632 256
ENCE EQUATION SOME COMPUTATIONAL RESULTS ON 'TWO-LINE' ITERATIVE METHODS FOR THE BIHARMONIC DIFFER JACM613 359
MATRIX ITERATION PROCESSES OF BERNOULLI AND GRAEFFE TYPE ON MODERN JACM583 246
AN EVALUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER ORDER DIFFERENTIAL EQUATIONS JACM614 637
THE IBM MAGNETIC DRUM CALCULATOR TYPE 650 JACM541 13
PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM DATA PROCESSING MACHINE JACM544 173
THE PACT I CODING SYSTEM FOR THE IBM TYPE 701 JACM564 272
BUSINESS THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR JACM544 149
SETS OF TAPES ACCEPTED BY DIFFERENT TYPES OF AUTOMATA JACM611 81
ALCULATING MACHINE OF THE ACADEMY OF SCIENCES OF THE U.S.S.R. THE HIGH-SPEED ELECTRONIC C JACM563 129
TATES OF A MACHINE ON THE LENGTH OF THE SMALLEST UNIFORM EXPERIMENT WHICH DISTINGUISHES THE TERMINAL S JACM583 266
UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM584 339
REMARKS ON THE UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM602 185
STANDARDIZED PROGRAMMING METHODS AND UNIVERSAL CODING JACM573 254
ENGINEERING RESEARCH THE UNIVERSAL ELECTRONIC DIGITAL MACHINE (URAL) FOR JACM574 511
5-SYMBOL 8-STATE AND 5-SYMBOL 6-STATE UNIVERSAL TURING MACHINES JACM614 476
UNNORMALIZED FLOATING POINT ARITHMETIC JACM593 415
SOME RECURSIVELY UNSOLVABLE PROBLEMS IN ALGOL-LIKE LANGUAGES JACM631 29
FOR TWO CLASSES OF SEQUENTIAL MACHINES LEAST UPPER BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS JACM614 601
THE UNIVERSAL ELECTRONIC DIGITAL MACHINE (URAL) FOR ENGINEERING RESEARCH JACM574 511
INDEXING OF WORDS WITH THE ROOT 'USE' HAS BEEN PREVENTED 21 TIMES
OF INFORMATIONAL-LOGICAL MACHINES IN CHEMISTRY (USSR) THE PROSPECTS FOR THE UTILIZATION JACM612 240
DRUM DATA PROCESSING MACHINE PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC JACM544 173
CHEMISTRY (USSR) THE PROSPECTS FOR THE UTILIZATION OF INFORMATIONAL-LOGICAL MACHINES IN JACM612 240
SOME INVERSE CHARACTERISTIC VALUE PROBLEMS JACM563 203
ON NUMERICAL SOLUTION OF CERTAIN LINEAR BOUNDARY VALUE PROBLEMS A NOTE JACM583 258
NUMERICAL SOLUTION OF THE NEUMANN AND MIXED BOUNDARY VALUE PROBLEMS BY BOUNDARY CONTRACTION JACM613 336
N ELLIPTIC PART/ MONTE CARLO SOLUTIONS OF BOUNDARY VALUE PROBLEMS INVOLVING THE DIFFERENCE ANALOGUE OF A JACM592 204
MACHINES A METHOD OF SOLVING BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS ON PUNCH CARD JACM543 101
THE CHARACTERISTIC VALUE-VECTOR PROBLEM JACM573 298
NOTE ON THE PRACTICAL COMPUTATION OF PROPER VALUES JACM593 360
A METHOD FOR OBTAINING SPECIFIC VALUES OF COMPILING-PARAMETER FUNCTIONS JACM623 379
L SWITCHING CIRCUITS A STATE VARIABLE ASSIGNMENT METHOD FOR ASYNCHRONOUS SEQUENTIA JACM632 209
MULTIPLE REDUCTION OF VARIABLE DEPENDENCY OF SEQUENTIAL MACHINES JACM623 324
VALUES AND EIGENVEC/ ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGEN JACM621 41

CTION AND ADDENDUM TO 'ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGEN JACM624 522
DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE VARIABLES ALTERNATING JACM624 450

E SWITCHING CIRCUITS — MULTIPLE REDUCTION OF VARIABLE DEPENDENCY OF SEQUENTIAL MACHINES JACM623 324
VALUES AND EIGENVEC/ — ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGEN JACM621 41

CTION AND ADDENDUM TO 'ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGEN JACM624 522
DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE VARIABLES ALTERNATING JACM624 450
QUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABLES COMPUTATION OF THE FRE JACM603 245
ALGEBRA OF POLYNOMIALS IN SEVERAL VARIABLES FOR A DIGITAL COMPUTER JACM621 29
LARGE MEMORY A GENERAL ANALYSIS OF VARIANCE SCHEME APPLICABLE TO A COMPUTER WITH A VERY JACM594 469
A VARIANT TO TURING'S THEORY OF COMPUTING MACHINES JACM571 63
TECHNIQUES FOR ENUMERATING VEBLEN-WEDDERBURN SYSTEMS JACM604 330
THE CHARACTERISTIC VALUE-VECTOR PROBLEM JACM573 298
SYSTEM A DESCRIPTION OF A COOPERATIVE VENTURE IN THE PRODUCTION OF AN AUTOMATIC CODING JACM564 266
ON THE VIBRATION OF A SQUARE CLAMPED PLATE JACM553 162
CATEGORIZING AUTOMATA BY W-MACHINE PROGRAMS JACM613 384
TECHNIQUES FOR ENUMERATING VEBLEN-WEDDERBURN SYSTEMS JACM604 330
DESIGN OF STOCHASTIC GENERATORS ON A WEIGHT DISTRIBUTION PROBLEM, WITH APPLICATION TO THE JACM631 110
INDEXING OF THE WORD 'WHICH' HAS BEEN PREVENTED 3 TIMES
THE WILF STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM634 557
MEDIA WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE JACM562 101
FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH FORMAL PROCEDURES JACM574 428
INDEXING OF THE WORD 'WITH' HAS BEEN PREVENTED 21 TIMES
ALGORITHMS, AN EXPERIMENTAL STUDY FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION JACM634 458
LOCATING THE LARGEST WORD IN A FILE USING A MODIFIED MEMORY JACM613 418
APPROACH TO GRAMMATICAL CODING OF ENGLISH WORDS A COMPUTATIONAL JACM633 334
OF METHODS FOR SYSTEMATICALLY ABBREVIATING ENGLISH WORDS AND NAMES A STUDY JACM614 538
INPUT WORDS IN THE HISTORY OF A TURING MACHINE WITH A FIXED JACM634 526
AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION JACM581 89
COMPUTER PROGRAMMING FOR YOUNG STUDENTS JACM584 309
FINDING ZEROS OF ARBITRARY FUNCTIONS JACM582 154
A METHOD FOR FINDING ALL THE ZEROS OF F(Z) JACM634 545
ZEROS OF NONLINEAR FUNCTIONS JACM613 366
AN INTEGRATED COMPUTATION SYSTEM FOR THE ERA-1103 JACM563 181
AN AUTOMATIC PROGRAMMING ROUTINE FOR THE ELLIOTT 401 JACM572 151
PROGRAMMED MULTIPLICATION ON THE IBM 407 JACM574 442
5-SYMBOL 8-STATE AND 5-SYMBOL 6-STATE UNIVERSAL TURING MACHINES JACM614 476
THE IBM MAGNETIC DRUM CALCULATOR TYPE 650 JACM541 13
AN OPTIMIZING PROGRAM FOR THE IBM 650 JACM561 3
PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM DATA PROCESSING MACHINE JACM544 173
AUTOMATIC CODING FOR THE IBM 701 JACM554 253
THE PACT I CODING SYSTEM FOR THE IBM TYPE 701 JACM564 272
INFORMATION SEARCHING WITH THE 701 CALCULATOR JACM572 131
FOR HANDLING ALPHAMERIC INFORMATION ON THE IBM 701 COMPUTER A GENERAL SYSTEM JACM563 175
THE IBM 701 SPEEDCODING SYSTEM JACM541 4
BUSINESS THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR JACM544 149
THE SHARE 709 SYSTEM, A COOPERATIVE EFFORT JACM592 123
THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION JACM592 141
PROGRAMMING THE SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF SYMBOLIC JACM592 134
THE SHARE 709 SYSTEM, PROGRAMMED INPUT-OUTPUT BUFFERING JACM592 145
THE SHARE 709 SYSTEM, PROGRAMMING AND MODIFICATION JACM592 128
THE SHARE 709 SYSTEM, SUPERVISORY CONTROL JACM592 152

ABRAHAM, S. J. TRANSFER FUNCTION SIMULATION BY MEANS OF AMPLIFIERS AND POTENTIOMETERS JACM563 186
ABRAMOWITZ, MILTON ON THE VIBRATION OF A SQUARE CLAMPED PLATE JACM553 162
ALLARD, J. L. MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL MACHINES JACM632 131
ALONSO, R. A STARTING METHOD FOR THE THREE-POINT ADAMS PREDICTOR-CORRECTOR METHOD JACM602 176
ALT, FRANZ L. DIGITAL PATTERN RECOGNITION BY MOMENTS JACM622 240
ANDERSON, W. H. A NUMERICAL METHOD FOR SOLVING CONTROL DIFFERENTIAL EQUATIONS ON DIGITAL COMPUTERS JACM601 61
ARBIB, MICHAEL TURING MACHINES, FINITE AUTOMATA AND NEURAL NETS JACM614 467
ARDEN, BRUCE W. AN ALGORITHM FOR TRANSLATING BOOLEAN EXPRESSIONS JACM622 222
ASCHER, MARCIA SWAC EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING JACM581 9
ASHENHURST, R. L. UNNORMALIZED FLOATING POINT ARITHMETIC JACM593 415
ATTA, SUSIE E. CALCULATION OF GENERALIZED HYPERGEOMETRIC SERIES JACM544 170
ATTA, SUSIE E. EFFECT OF PROPAGATED ERROR ON INVERSE OF HILBERT MATRIX JACM571 36
BABER, R. L. TAPE SEARCHING TECHNIQUES JACM634 478
BACKUS, J. W. THE IBM 701 SPEEDCODING SYSTEM JACM541 4
BAILEY, JOHN S. SINGLE FUNCTION SHIFTING COUNTERS JACM623 375
BAKER, CHARLES L. THE PACT I CODING SYSTEM FOR THE IBM TYPE 701 JACM564 272
BAKER, FRANK B. INFORMATION RETRIEVAL BASED ON LATENT CLASS ANALYSIS JACM624 512
BALL, R. B. A NUMERICAL METHOD FOR SOLVING CONTROL DIFFERENTIAL EQUATIONS ON DIGITAL COMPUTERS JACM601 61
BAREISS, ERWIN H. RESULTANT PROCEDURE AND THE MECHANIZATION OF THE GRAEFFE PROCESS JACM604 346
BASHE, C. J. THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR BUSINESS JACM544 149
BASHKOW, T. R. A 'CURVE PLOTTING' ROUTINE FOR THE INVERSE LAPLACE TRANSFORM OF RATIONAL FUNCTIONS JACM581 52
BASKERVILL, MARGARET ON THE GENERATION OF ERRORS IN THE DIGITAL EVALUATION OF CONTINUED FRACTIONS JACM563 199
BAUER, F. L. ON MODERN MATRIX ITERATION PROCESSES OF BERNOULLI AND GRAEFFE TYPE JACM583 246
BAUER, WALTER F. A SYSTEM FOR GENERAL-PURPOSE ANALOG-DIGITAL COMPUTATION JACM571 12
BAUER, WALTER F. AN INTEGRATED COMPUTATION SYSTEM FOR THE ERA-1103 JACM563 181
BAUER, WALTER F. ON THE DEMONSTRATION OF HIGH-SPEED DIGITAL COMPUTERS JACM544 177
BAUMANN, D. M. A HIGH-SCANNING-RATE STORAGE DEVICE FOR COMPUTER APPLICATIONS JACM581 76
BAZILEVSKII, IU. IA. THE UNIVERSAL ELECTRONIC DIGITAL MACHINE (URAL) FOR ENGINEERING RESEARCH JACM574 511
BELLMAN, RICHARD DYNAMIC PROGRAMMING TREATMENT OF THE TRAVELLING SALESMAN PROBLEM JACM621 61
BELLMAN, RICHARD ON AN APPLICATION OF DYNAMIC PROGRAMMING TO THE SYNTHESIS OF LOGICAL SYSTEMS JACM594 486
BELLMAN, RICHARD SEQUENTIAL MACHINES, AMBIGUITY, AND DYNAMIC PROGRAMMING JACM601 24
BEN-ISRAEL, A. AN ELIMINATION METHOD FOR COMPUTING THE GENERALIZED INVERSE OF AN ARBITRARY COMPLEX MATRIX JACM634 532
BERGMAN, STEFAN A METHOD OF SOLVING BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS ON PUNCH CARD MACHINE JACM543 101
BERLEKAMP, ELWYN R. PROGRAM FOR DOUBLE-DUMMY BRIDGE PROBLEMS, A NEW STRATEGY FOR MECHANICAL GAME PLAYING JACM633 357
BERMAN, MARTIN F. A METHOD FOR TRANSPOSING A MATRIX JACM584 383
BERNICK, MYRNA AUTOMATIC DOCUMENT CLASSIFICATION JACM632 151
BLAIR, CHARLES R. ON COMPUTER TRANSCRIPTION OF MANUAL MORSE JACM593 429
BLANYER, CARL G. PRECISION MODULATORS AND DEMODULATORS JACM554 229
BLUM, E. K. ASYMPTOTIC BEHAVIOR OF THE BEST POLYNOMIAL APPROXIMATION JACM614 645
BLUM, MARVIN ON EXPONENTIAL DIGITAL FILTERS JACM592 283
BLUMENTHAL, SHERMAN A DUAL MASTER FILE SYSTEM FOR A TAPE PROCESSING COMPUTER JACM584 319
BOEHM, E. M. THE SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF SYMBOLIC PROGRAMMING JACM592 134
BOFINGER, EVE ON A PERIODIC PROPERTY OF PSEUDO-RANDOM SEQUENCES JACM583 261
BOFINGER, V. J. ON A PERIODIC PROPERTY OF PSEUDO-RANDOM SEQUENCES JACM583 261
BOLDT JR, IRA V. THE SHARE 709 SYSTEM, SUPERVISORY CONTROL JACM592 152
BORKO, HAROLD AUTOMATIC DOCUMENT CLASSIFICATION JACM632 151
BOSE, R. C. A SORTING PROBLEM JACM622 282
BOTTENBRUCH, H. STRUCTURE AND USE OF ALGOL 60 JACM622 161

BOURNE, CHARLES P. A STUDY OF METHODS FOR SYSTEMATICALLY ABBREVIATING ENGLISH WORDS AND NAMES JACM614 538
BOYELL, ROGER L. PROGRAMMED MULTIPLICATION ON THE IBM 407 JACM574 442

BOSE, R. C. A SORTING PROBLEM JACM622 161
BOTTENBRUCH, H. STRUCTURE AND USE OF ALGOL 60 JACM622 161

BOURNE, CHARLES P. A STUDY OF METHODS FOR SYSTEMATICALLY ABBREVIATING ENGLISH WORDS AND NAMES JACM614 538
BOYELL, ROGER L. PROGRAMMED MULTIPLICATION ON THE IBM 407 JACM574 442
BRACKEN, R. H. INFORMATION SEARCHING WITH THE 701 CALCULATOR JACM572 131
BRACKEN, ROBERT H. A GENERAL SYSTEM FOR HANDLING ALPHAMERIC INFORMATION ON THE IBM 701 COMPUTER JACM563 175
BRATMAN, HARVEY THE SHARE 709 SYSTEM, SUPERVISORY CONTROL JACM592 152
BRIGHAM, R. C. GENERALIZED SIMULATION OF POST OFFICE SYSTEMS JACM612 252
BROCK, PAUL PROBLEMS IN ACCEPTANCE TESTING OF DIGITAL COMPUTERS JACM542 82
BROOKER, R. A. A GENERAL TRANSLATION PROGRAM FOR PHRASE STRUCTURE LANGUAGES JACM621 1
BROWN, A. F. R. LANGUAGE TRANSLATION JACM581 1
BROWN, J. H. PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS JACM564 348
BRUMAN, JOSEPH R. WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
BUCHHOLZ, W. THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR BUSINESS JACM544 149
BUEHLER, R. NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER JACM613 374
BURGESS, P. D. GENERALIZED SIMULATION OF POST OFFICE SYSTEMS JACM612 252
BURKS, ARTHUR W. THE LOGIC OF AUTOMATA, PART I JACM572 193
BURKS, ARTHUR W. THE LOGIC OF AUTOMATA, PART II JACM573 279
CAHILL, WILLIAM F. ON THE VIBRATION OF A SQUARE CLAMPED PLATE JACM553 162
CALDWELL, GEORGE C. A NOTE ON THE DOWNHILL METHOD JACM592 223
CALINGAERT, PETER TWO-DIMENSIONAL PARITY CHECKING JACM612 186
CAMPBELL, EDWIN S. NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST JACM613 374
CANTOR, DAVID G. ON THE AMBIGUITY PROBLEM OF BACKUS SYSTEMS JACM624 477
CARR III, JOHN W. ERROR BOUNDS FOR THE RUNGE-KUTTA SINGLE-STEP INTEGRATION PROCESS JACM581 39
CARR III, JOHN W. INAUGURAL PRESIDENTIAL ADDRESS JACM571 5
CARR III, JOHN W. ON THE DEMONSTRATION OF HIGH-SPEED DIGITAL COMPUTERS JACM544 177
CARR III, JOHN W. PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS JACM564 348
CAUSEY, ROBERT L. ON SOME ERROR BOUNDS OF GIVENS JACM582 127
CERTAINE, J. ON SEQUENCES OF PSEUDO-RANDOM NUMBERS OF MAXIMAL LENGTH JACM584 353
CHASE, P. E. STABILITY PROPERTIES OF PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS JACM624 457
CHOW, TSE-SUN BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL EQUATION II JACM601 37
CHOW, TSE-SUN NUMERICAL SOLUTION OF THE NEUMANN AND MIXED BOUNDARY VALUE PROBLEMS BY BOUNDARY CONTRACTION JACM613 336
CHU, J. T. SOME METHODS FOR SIMPLIFYING SWITCHING CIRCUITS USING 'DONT CARE' CONDITIONS JACM614 497
CHUNG, J. H. TEST OF AN INVENTORY CONTROL SYSTEM ON FERUT JACM572 121
COHN, HARVEY SOME EXPERIMENTS IN IDEAL FACTORIZATION ON THE MIDAC JACM552 111
COLE, R. W. A NOTE ON NUMERICAL SOLUTION OF CERTAIN LINEAR BOUNDARY VALUE PROBLEMS JACM583 258
CONTE, SAMUEL D. A KUTTA THIRD-ORDER PROCEDURE FOR SOLVING DIFFERENTIAL EQUATIONS REQUIRING MINIMUM STORA JACM561 22
CONTE, SAMUEL D. A STABLE IMPLICIT FINITE DIFFERENCE APPROXIMATION TO A FOURTH ORDER PARABOLIC EQUATION JACM571 18
CONTE, SAMUEL D. ON AN ALTERNATING DIRECTION METHOD FOR SOLVING THE PLATE PROBLEM WITH MIXED BOUNDARY CON JACM603 264
COPI, IRVING M. REALIZATION OF EVENTS BY LOGICAL NETS JACM582 181
CORBATO, F. J. ON THE CODING OF JACOBI'S METHOD FOR COMPUTING EIGENVALUES AND EIGENVECTORS OF REAL SYMMET JACM632 123
CORBATO, FERNANDO J. GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL COMPUTERS JACM593 366
COVEYOU, R. R. SERIAL CORRELATION IN THE GENERATION OF PSEUDO-RANDOM NUMBERS JACM601 72
CRANDALL, STEPHEN H. IMPLICIT VS. EXPLICIT RECURRENCE FORMULAS FOR THE LINEAR DIFFUSION EQUATION JACM551 42
CRANDALL, STEPHEN H. NUMERICAL TREATMENT OF A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATION JACM543 111
CRANDALL, STEPHEN H. OPTIMUM RECURRENCE FORMULAS FOR A FOURTH ORDER PARABOLIC PARTIAL DIFFERENTIAL EQUATI JACM574 467
CRANE, ROGER L. STABILITY OF A GENERALIZED CORRECTOR FORMULA JACM621 104
CREMER, A. L. EFFICIENCY OF PREDICTOR-CORRECTOR PROCEDURES JACM633 291
CURTIS JR, P. C. ASYMPTOTIC BEHAVIOR OF THE BEST POLYNOMIAL APPROXIMATION JACM614 645
CURTIS JR, PHILIP C. AN ALGORITHM FOR THE DETERMINATION OF THE POLYNOMIAL OF BEST MINIMAX APPROXIMATION T JACM593 395

CURTIS, H. ALLEN A FUNCTIONAL CANONICAL FORM JACM592 245
CURTIS, H. ALLEN A GENERALIZED TREE CIRCUIT JACM614 484
CURTIS, H. ALLEN GENERALIZED TREE CIRCUIT, THE BASIC BUILDING BLOCK OF AN EXTENDED DECOMPOSITION THEORY JACM634 562
CURTIS, H. ALLEN MULTIFUNCTIONAL CIRCUITS IN FUNCTIONAL CANONICAL FORM JACM594 538
CURTIS, H. ALLEN MULTIPLE REDUCTION OF VARIABLE DEPENDENCY OF SEQUENTIAL MACHINES JACM623 324
CURTIS, H. ALLEN USE OF DECOMPOSITION THEORY IN THE SOLUTION OF THE STATE ASSIGNMENT PROBLEM OF SEQUENTIA JACM633 386
CUTHILL, ELIZABETH H. A METHOD OF NORMALIZED BLOCK ITERATION JACM592 236
DAMES, RALPH T. ON AN ALTERNATING DIRECTION METHOD FOR SOLVING THE PLATE PROBLEM WITH MIXED BOUNDARY COND JACM603 264
DAVIDSON, C. H. MAINTAINED ACTIVITY IN NEURAL NETS JACM622 268
DAVIS, MARTIN A COMPUTING PROCEDURE FOR QUANTIFICATION THEORY JACM603 201
DAVIS, PHILIP A MULTIPLE PURPOSE ORTHONORMALIZING CODE AND ITS USES JACM544 183
DE WITTE, LEENDERT EVALUATION OF INTEGRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCULAR FUNCTI JACM582 119
DEN BROEDER JR, GEORGE G. A PROPERTY OF SEMI-DEFINITE HERMITIAN MATRICES JACM583 244
DENMAN, HARRY H. COMPUTER GENERATION OF OPTIMIZED SUBROUTINES JACM611 104
DENNIS, JACK B. A HIGH-SPEED COMPUTER TECHNIQUE FOR THE TRANSPORTATION PROBLEM JACM582 132
DERR, J. I. SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I JACM564 299
DIDONATO, A. R. NEW FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND JACM594 515
DIGRI, VINCENT J. THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION JACM592 141
DOBELL, A. R. MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL MACHINES JACM632 131
DOUGLAS JR, JIM ALTERNATING DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE VARIABLES JACM624 450
DOUGLAS JR, JIM ROUND-OFF ERROR IN THE NUMERICAL SOLUTION OF THE HEAT EQUATION JACM591 48
DOWNING JR, A. C. SOME INVERSE CHARACTERISTIC VALUE PROBLEMS JACM563 203
DOYLE, LAUREN B. SEMANTIC ROAD MAPS FOR LITERATURE SEARCHERS JACM614 553
DOYLE, W. OPERATIONS USEFUL FOR SIMILARITY-INVARIANT PATTERN RECOGNITION JACM622 259
DULMAGE, A. L. MATRICES ASSOCIATED WITH THE HITCHCOCK PROBLEM JACM624 409
DWYER, PAUL S. THE METHOD OF REDUCED MATRICES FOR A GENERAL TRANSPORTATION PROBLEM JACM573 308
EDWARDS, C. M. SURVEY OF ANALOG MULTIPLICATION SCHEMES JACM541 27
EHRLICH, L. W. A NUMERICAL METHOD OF SOLVING A HEAT FLOW PROBLEM WITH MOVING BOUNDARY JACM582 161
EHRLICH, LOUIS W. MONTE CARLO SOLUTIONS OF BOUNDARY VALUE PROBLEMS INVOLVING THE DIFFERENCE ANALOGUE OF A JACM592 204
ELORED, RICHARD D. TEST ROUTINES BASED ON SYMBOLIC LOGICAL STATEMENTS JACM591 33
ELGOT, CALVIN C. ON SINGLE VS. TRIPLE ADDRESS COMPUTING MACHINES JACM543 119
ELGOT, CALVIN C. REALIZATION OF EVENTS BY LOGICAL NETS JACM582 181
EMANUEL, GEORGE THE WILF STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM634 557
EPSTEIN, GEORGE SINGLE FUNCTION SHIFTING COUNTERS JACM623 375
ERCOLI, PAOLO ERRORS DUE TO OVERFLOW IN ARITHMETIC OPERATIONS PARTICULARLY AS REGARDS FINAC ELECTRONIC CO JACM574 450
ESCH, ROBIN E. A NECESSARY AND SUFFICIENT CONDITION FOR STABILITY OF PARTIAL DIFFERENCE EQUATION PROBLEMS JACM602 163
ESTRIN, G. ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVALUES AND JACM621 41
FALKOFF, A. D. ALGORITHMS FOR PARALLEL-SEARCH MEMORIES JACM624 488
FARR, EDWIN H. LATTICE PROPERTIES OF SEQUENTIAL MACHINES JACM633 365
FEINSTEIN, NEIL H. DESIGN OF SEQUENTIAL MACHINES FROM THEIR REGULAR EXPRESSIONS JACM614 585
FERGUSON, DAVID E. INPUT-OUTPUT BUFFERING AND FORTRAN JACM601 1
FIKE, C. T. NOTE ON THE PRACTICAL COMPUTATION OF PROPER VALUES JACM593 360
FIRSCHEIN, O. FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL STUD JACM634 458
FISHER, MICHAEL E. HIGHER ORDER DIFFERENCES IN THE ANALOGUE SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS JACM564 325
FISHER, MICHAEL E. PROPOSED METHODS FOR THE ANALOG SOLUTION OF FREDHOLM'S INTEGRAL EQUATION JACM584 357
FITZPATRICK, G. B. SYNTHESIS OF BINARY RING COUNTERS OF GIVEN PERIODS JACM603 287
FLASTERSTEIN, A. H. A NOTE ON A METHOD OF COMPUTING THE GAMMA FUNCTION JACM604 387
FLECK, ARTHUR C. ISOMORPHISM GROUPS OF AUTOMATA JACM624 469

FLINN, E. A. A MODIFICATION OF FILON'S METHOD OF NUMERICAL INTEGRATION JACM602 181
FLORES, IVAN ANALYSIS OF INTERNAL COMPUTER SORTING JACM611 41
FLORES, IVAN COMPUTER TIME FOR ADDRESS CALCULATION SORTING JACM604 389
FLOYD, ROBERT W. A DESCRIPTIVE LANGUAGE FOR SYMBOL MANIPULATION JACM614 579

FLINN, E. A. A MODIFICATION OF FILON'S METHOD OF NUMERICAL INTEGRATION JACM602 181
FLORES, IVAN ANALYSIS OF INTERNAL COMPUTER SORTING JACM611 41
FLORES, IVAN COMPUTER TIME FOR ADDRESS CALCULATION SORTING JACM604 389
FLOYD, ROBERT W. A DESCRIPTIVE LANGUAGE FOR SYMBOL MANIPULATION JACM614 579
FLOYD, ROBERT W. SYNTACTIC ANALYSIS AND OPERATOR PRECEDENCE JACM633 316
FORD, DONALD F. A STUDY OF METHODS FOR SYSTEMATICALLY ABBREVIATING ENGLISH WORDS AND NAMES JACM614 538
FORSYTHE, GEORGE E. SWAC EXPERIMENTS ON THE USE OF ORTHOGONAL POLYNOMIALS FOR DATA FITTING JACM581 9
FOURNIER, KENNETH P. EVALUATION OF INTEGRALS INVOLVING COMBINATIONS OF BESSEL FUNCTIONS AND CIRCULAR FUNC JACM582 119
FRAENKEL, AVIEZRI S. THE USE OF INDEX CALCULUS AND MERSENNE PRIMES FOR THE DESIGN OF A HIGH-SPEED DIGITAL JACM611 87
FRANK, WERNER L. AN ALGORITHM FOR THE DETERMINATION OF THE POLYNOMIAL OF BEST MINIMAX APPROXIMATION TO A JACM593 395
FRANK, WERNER L. FINDING ZEROS OF ARBITRARY FUNCTIONS JACM582 154
FRANK, WERNER L. SOLUTION OF LINEAR SYSTEMS BY RICHARDSON'S METHOD JACM603 274
FRANKLIN, J. N. ON THE NUMERICAL SOLUTION OF CHARACTERISTIC EQUATIONS IN FLUTTER ANALYSIS JACM581 45
FREIBERGER, WALTER F. COMPUTATION OF THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABLE JACM603 245
FREUDENSTEIN, FERDINAND NUMERICAL SOLUTION OF SYSTEMS OF NONLINEAR EQUATIONS JACM634 550
FRIEDMAN, JOYCE A COMPUTER PROGRAM FOR A SOLVABLE CASE OF THE DECISION PROBLEM JACM633 348
FRIEDMAN, JOYCE A DECISION PROCEDURE FOR COMPUTATIONS OF FINITE AUTOMATA JACM623 315
FRIEDMAN, JOYCE A SEMI-DECISION PROCEDURE FOR THE FUNCTIONAL CALCULUS JACM631 1
FRIEND, EDWARD H. SORTING ON ELECTRONIC COMPUTER SYSTEMS JACM563 134
FROESE, CHARLOTTE AN EVALUATION OF RUNGE-KUTTA TYPE METHODS FOR HIGHER ORDER DIFFERENTIAL EQUATIONS JACM614 637
GALLER, B. A. A GENERALIZATION OF A THEOREM OF CARR ON ERROR BOUNDS FOR RUNGE-KUTTA PROCEDURES JACM601 57
GALLER, BERNARD A. AN ALGORITHM FOR TRANSLATING BOOLEAN EXPRESSIONS JACM622 222
GALLER, BERNARD A. THE METHOD OF REDUCED MATRICES FOR A GENERAL TRANSPORTATION PROBLEM JACM573 308
GAUSS, E. J. A COMPARISON OF MACHINE ORGANIZATIONS BY THEIR PERFORMANCE OF THE ITERATIVE SOLUTION OF LINE JACM594 476
GAUSS, E. J. LOCATING THE LARGEST WORD IN A FILE USING A MODIFIED MEMORY JACM613 418
GAUTSCHI, WALTER RECURSIVE COMPUTATION OF CERTAIN INTEGRALS JACM611 21
GELERNTER, H. A FORTRAN-COMPILED LIST-PROCESSING LANGUAGE JACM602 87
GERBERICH, C. L. A FORTRAN-COMPILED LIST-PROCESSING LANGUAGE JACM602 87
GERBERICH, C. L. CODES FOR THE CLASSICAL MEMBRANE PROBLEM JACM574 477
GILL, ARTHUR ANALYSIS OF NETS BY NUMERICAL METHODS JACM603 251
GILL, ARTHUR ON A WEIGHT DISTRIBUTION PROBLEM, WITH APPLICATION TO THE DESIGN OF STOCHASTIC GENERATORS JACM631 110
GINSBURG, SEYMOUR COMPATIBILITY OF STATES IN INPUT-INDEPENDENT MACHINES JACM613 400
GINSBURG, SEYMOUR CONNECTIVE PROPERTIES PRESERVED IN MINIMAL STATE MACHINES JACM604 311
GINSBURG, SEYMOUR ON THE LENGTH OF THE SMALLEST UNIFORM EXPERIMENT WHICH DISTINGUISHES THE TERMINAL STATE JACM583 266
GINSBURG, SEYMOUR ON THE REDUCTION OF SUPERFLUOUS STATES IN A SEQUENTIAL MACHINE JACM592 259
GINSBURG, SEYMOUR OPERATIONS WHICH PRESERVE DEFINABILITY IN LANGUAGES JACM632 175
GINSBURG, SEYMOUR QUOTIENTS OF CONTEXT-FREE LANGUAGES JACM634 487
GINSBURG, SEYMOUR SETS OF TAPES ACCEPTED BY DIFFERENT TYPES OF AUTOMATA JACM611 81
GINSBURG, SEYMOUR SOME RECURSIVELY UNSOLVABLE PROBLEMS IN ALGOL-LIKE LANGUAGES JACM631 29
GINSBURG, SEYMOUR TWO FAMILIES OF LANGUAGES RELATED TO ALGOL JACM623 350
GIVENS, WALLACE THE CHARACTERISTIC VALUE-VECTOR PROBLEM JACM573 298
GLANTZ, HERBERT T. A NOTE ON MICROPROGRAMMING JACM562 77
GLANTZ, HERBERT T. ON THE RECOGNITION OF INFORMATION WITH A DIGITAL COMPUTER JACM572 178
GLUSS, BRIAN A METHOD FOR OBTAINING SUBOPTIMAL GROUP-TESTING POLICIES USING DYNAMIC PROGRAMMING AND INFOR JACM631 89
GOLDSTEIN, ALLEN A. ON THE 'BEST' AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM OF LINEAR EQU JACM573 341
GOLDSTINE, H. H. A PROCEDURE FOR THE DIAGONALIZATION OF NORMAL MATRICES JACM592 176
GOLDSTINE, H. H. FOOTNOTE TO 'THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES' JACM601 78
GOLDSTINE, H. H. THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES JACM591 59

GOODMAN, N. R. CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP MEASUREMENTS JACM583 289
GORDON, BARRY AN OPTIMIZING PROGRAM FOR THE IBM 650 JACM561 3
GORDON, N. L. A NOTE ON A METHOD OF COMPUTING THE GAMMA FUNCTION JACM604 387
GORMAN, T. P. AUTOMATIC CODING FOR THE IBM 701 JACM554 253
GORN, SAUL DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE MECHANICAL LANGUAGES JACM632 196
GORN, SAUL STANDARDIZED PROGRAMMING METHODS AND UNIVERSAL CODING JACM573 254
GOTLIEB, C. C. RUNNING A COMPUTER EFFICIENTLY JACM543 124
GOTLIEB, C. C. TEST OF AN INVENTORY CONTROL SYSTEM ON FERUT JACM572 121
GRAHAM, ROBERT M. AN ALGORITHM FOR TRANSLATING BOOLEAN EXPRESSIONS JACM622 222
GRANEY, EDWARD P. MAINTENANCE AND ACCEPTANCE TESTS USED ON THE MIDAC JACM552 95
GRAU, A. A. A TRANSLATOR-ORIENTED SYMBOLIC PROGRAMMING LANGUAGE JACM624 480
GRAU, A. A. ON THE REDUCTION OF NUMBER RANGE IN THE USE OF THE GRAEFFE PROCESS JACM634 538
GRAY JR, H. J. PROPAGATION OF TRUNCATION ERRORS IN THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATI JACM551 5
GREEN JR, BERT F. EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR JACM594 527
GREENBERGER, MARTIN NOTES ON A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM612 163
GREENWALD, I. D. CONCLUSIONS AFTER USING THE PACT I ADVANCED CODING TECHNIQUE JACM564 309
GREENWALD, IRWIN D. THE SHARE 709 SYSTEM, PROGRAMMING AND MODIFICATION JACM592 128
GUNN, JAMES E. ALTERNATING DIRECTION METHODS FOR PARABOLIC SYSTEMS IN M SPACE VARIABLES JACM624 450
GURK, HERBERT M. THE DESIGN AND SIMULATION OF AN INFORMATION PROCESSING SYSTEM JACM612 260
GUTENMAKHER, L. I. THE PROSPECTS FOR THE UTILIZATION OF INFORMATIONAL-LOGICAL MACHINES IN CHEMISTRY (USSR JACM612 240
HALTON, J. H. A METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION JACM573 329
HAMER, HOWARD TESTING OF OPERATIONAL AMPLIFIERS JACM552 92
HAMILTON, F. E. THE IBM MAGNETIC DRUM CALCULATOR TYPE 650 JACM541 13
HAMMERSLEY, J. M. CONDITIONAL MONTE CARLO JACM562 73
HAMMING, R. W. STABLE PREDICTOR-CORRECTOR METHODS FOR ORDINARY DIFFERENTIAL EQUATIONS JACM591 37
HANDSCOMB, D. C. A METHOD FOR INCREASING THE EFFICIENCY OF MONTE CARLO INTEGRATION JACM573 329
HANEMAN, V. S. CORRELATION COMPUTATION ON ANALOG DEVICES JACM554 267
HANSEN, ELDON R. ON QUASICYCLIC JACOBI METHODS JACM621 118
HANSEN, ELDON R. ON THE DANILEWSKI METHOD JACM631 102
HANSEN, J. R. A FORTRAN-COMPILED LIST-PROCESSING LANGUAGE JACM602 87
HARARY, FRANK ON THE CONSISTENCY OF PRECEDENCE MATRICES JACM603 255
HARLOW, FRANCIS H. HYDRODYNAMIC PROBLEMS INVOLVING LARGE FLUID DISTORTIONS JACM572 137
HARRIS, D. L. MONTE CARLO COMPUTATIONS IN NORMAL CORRELATION PROBLEMS JACM633 302
HARRISON, MICHAEL A. THE NUMBER OF CLASSES OF INVERTIBLE BOOLEAN FUNCTIONS JACM631 25
HARTLEY, H. O. MONTE CARLO COMPUTATIONS IN NORMAL CORRELATION PROBLEMS JACM633 302
HARTMANIS, J. FURTHER RESULTS ON THE STRUCTURE OF SEQUENTIAL MACHINES JACM631 78
HEIZER, L. E. TRANSFER FUNCTION SIMULATION BY MEANS OF AMPLIFIERS AND POTENTIOMETERS JACM563 186
HELLER, J. SEQUENCING ASPECTS OF MULTIPROGRAMMING JACM613 426
HEMPSTEAD, GUS PACT LOOP EXPANSION JACM564 292
HENRICI, PETER A SUBROUTINE FOR COMPUTATIONS WITH RATIONAL NUMBERS JACM561 6
HENRICI, PETER AUTOMATIC COMPUTATIONS WITH POWER SERIES JACM561 10
HERESHOFF, JAMES B. ON THE 'BEST' AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM OF LINEAR EQU JACM573 341
HERSHEY, A. V. NEW FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND JACM594 515
HIBBARD, THOMAS N. A SIMPLE SORTING ALGORITHM JACM632 142
HIBBARD, THOMAS N. LEAST UPPER BOUNDS ON MINIMAL TERMINAL STATE EXPERIMENTS FOR TWO CLASSES OF SEQUENTIAL JACM614 601
HIBBARD, THOMAS N. SOME COMBINATORIAL PROPERTIES OF CERTAIN TREES WITH APPLICATIONS TO SEARCHING AND SORT JACM621 13
HILDEBRANDT, PAUL RADIX EXCHANGE, AN INTERNAL SORTING METHOD FOR DIGITAL COMPUTERS JACM592 156
HIRSCHFELDER, J. O. NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRS JACM613 374

HIRSCHHORN, EDWIN SIMPLIFICATION OF A CLASS OF BOOLEAN FUNCTIONS JACM581 67
HOFFMAN, WALTER A METHOD FOR THE SOLUTION OF THE NTH BEST PATH PROBLEM JACM594 506
HOLDIMAN, THOMAS A. MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER PROGRAMMING JACM623 387

HIRSCHHORN, EDWIN SIMPLIFICATION OF A CLASS OF BOOLEAN FUNCTIONS JACM581 67
HOFFMAN, WALTER A METHOD FOR THE SOLUTION OF THE NTH BEST PATH PROBLEM JACM594 506
HOLDIMAN, THOMAS A. MANAGEMENT TECHNIQUES FOR REAL TIME COMPUTER PROGRAMMING JACM623 387
HOLLAND, JOHN ON AN APPLICATION OF DYNAMIC PROGRAMMING TO THE SYNTHESIS OF LOGICAL SYSTEMS JACM594 486
HOLLAND, JOHN H. OUTLINE FOR A LOGICAL THEORY OF ADAPTIVE SYSTEMS JACM623 297
HOOKE, ROBERT 'DIRECT SEARCH' SOLUTION OF NUMERICAL AND STATISTICAL PROBLEMS JACM612 212
HOOVER, WILLIAM R. WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
HORWITZ, L. P. A PROCEDURE FOR THE DIAGONALIZATION OF NORMAL MATRICES JACM592 176
HOUSE, R. W. ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT JACM631 48
HOUSEHOLDER, A. S. SOME INVERSE CHARACTERISTIC VALUE PROBLEMS JACM563 203
HOUSEHOLDER, A. S. THE APPROXIMATE SOLUTION OF MATRIX PROBLEMS JACM583 205
HOUSEHOLDER, ALSTON S. BIBLIOGRAPHY ON NUMERICAL ANALYSIS JACM562 85
HOUSEHOLDER, ALSTON S. GENERATED ERROR IN ROTATIONAL TRIDIAGONALIZATION JACM584 335
HOUSEHOLDER, ALSTON S. ON THE CONVERGENCE OF MATRIX ITERATIONS JACM564 314
HOUSEHOLDER, ALSTON S. PRESIDENTIAL ADDRESS TO THE ACM JACM561 1
HOUSEHOLDER, ALSTON S. RETIRING PRESIDENTIAL ADDRESS JACM571 1
HOUSEHOLDER, ALSTON S. UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM584 339
HUFFMAN, DAVID A. THE DESIGN AND USE OF HAZARD-FREE SWITCHING NETWORKS JACM571 47
HUGHES, D. NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER D JACM613 374
HULL, T. E. EFFICIENCY OF PREDICTOR-CORRECTOR PROCEDURES JACM633 291
HULL, T. E. MIXED CONGRUENTIAL RANDOM NUMBER GENERATORS FOR DECIMAL MACHINES JACM632 131
HUME, J. N. P. TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT JACM554 243
ISAAC, E. J. SORTING BY ADDRESS CALCULATION JACM563 169
ISBITZ, HAROLD RADIX EXCHANGE, AN INTERNAL SORTING METHOD FOR DIGITAL COMPUTERS JACM592 156
ISRAEL, DAVID R. SIMULATION TECHNIQUES FOR THE TEST AND EVALUATION OF REAL-TIME COMPUTER PROGRAMS JACM573 354
JACKSON, J. R. SWAC COMPUTATIONS FOR SOME M X N SCHEDULING PROBLEMS JACM574 438
JACOBS JR, H. EQUIPMENT RELIABILITY AS APPLIED TO ANALOGUE COMPUTERS JACM541 21
JEEVES, T. A. 'DIRECT SEARCH' SOLUTION OF NUMERICAL AND STATISTICAL PROBLEMS JACM612 212
JEFFREY, RICHARD C. ARITHMETICAL ANALYSIS OF DIGITAL COMPUTING NETS JACM564 360
JOACHIM, GERTRUD S. MEMORY EFFICIENCY JACM592 172
JOHANSEN, DONALD E. A MODIFIED GIVENS METHOD FOR THE EIGENVALUE EVALUATION OF LARGE MATRICES JACM613 331
JOHNSON, R. CURTIS COMPUTATIONS IN THE FIELD OF ENGINEERING CHEMISTRY JACM574 393
JONES, RICHARD H. COMPUTATION OF THE FREQUENCY FUNCTION OF A QUADRATIC FORM IN RANDOM NORMAL VARIABLES JACM603 245
JONES, TERENCE G. AN ALGORITHM FOR THE NUMERICAL APPLICATION OF A LINEAR OPERATOR JACM624 440
JUNCOSA, M. L. ON THE INCREASE OF CONVERGENCE RATES OF RELAXATION PROCEDURES FOR ELLIPTIC PARTIAL DIFFERE JACM601 29
KALABA, ROBERT ON AN APPLICATION OF DYNAMIC PROGRAMMING TO THE SYNTHESIS OF LOGICAL SYSTEMS JACM594 486
KANE, MAUREEN THE SHARE 709 SYSTEM, PROGRAMMING AND MODIFICATION JACM592 128
KATZ, S. CALCULATING OPEN LOOP TRANSFER FUNCTIONS FROM CLOSED LOOP MEASUREMENTS JACM583 289
KEITEL, GLENN H. AN EXTENSION OF MILNE'S THREE-POINT METHOD JACM563 212
KELLER, HERBERT B. FINITE AUTOMATA, PATTERN RECOGNITION AND PERCEPTRONS JACM611 1
KELLY, R. G. AUTOMATIC CODING FOR THE IBM 701 JACM554 253
KENNEDY, JEROME D. TESTING OF OPERATIONAL AMPLIFIERS JACM552 92
KING, JANE E. THE SHARE 709 SYSTEM, INPUT-OUTPUT TRANSLATION JACM592 141
KISTER, J. EXPERIMENTS IN CHESS JACM572 174
KLEIN, SHELDON A COMPUTATIONAL APPROACH TO GRAMMATICAL CODING OF ENGLISH WORDS JACM633 334
KLEINFELD, ERN TECHNIQUES FOR ENUMERATING VEBLEN-WEDDERBURN SYSTEMS JACM604 330
KLEM, LAURA EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR JACM594 527
KLOPFENSTEIN, R. W. ZEROS OF NONLINEAR FUNCTIONS JACM613 366

KNUTH, DONALD E. MINIMIZING DRUM LATENCY TIME JACM612 119
KOROLEV, L. N. CODING AND CODE COMPRESSION JACM584 328
KRAMER, HENRY P. A NOTE ON THE SELF-CONSISTENCY OF DEFINITIONS OF GENERALIZATION AND INDUCTIVE INFERENCE JACM622 280
KUBIE, E. C. THE IBM MAGNETIC DRUM CALCULATOR TYPE 650 JACM541 13
KUHNS, J. L. ON RELEVANCE, PROBABILISTIC INDEXING AND INFORMATION RETRIEVAL JACM603 216
KURTZBERG, JEROME M. ON APPROXIMATION METHODS FOR THE ASSIGNMENT PROBLEM JACM624 419
LAASONEN, PENTTI ON THE SOLUTION OF POISSON'S DIFFERENCE EQUATION JACM584 370
LAASONEN, PENTTI ON THE TRUNCATION ERROR OF DISCRETE APPROXIMATIONS TO THE SOLUTIONS OF DIRICHLET PROBLEM JACM581 32
LAMBERT, ROBERT J. STABILITY OF A GENERALIZED CORRECTOR FORMULA JACM621 104
LANCE, G. N. SOLUTION OF ALGEBRAIC AND TRANSCENDENTAL EQUATIONS ON AN AUTOMATIC DIGITAL COMPUTER JACM591 97
LARROWE, BOYD PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS JACM564 348
LEBEDEV, S. A. THE HIGH-SPEED ELECTRONIC CALCULATING MACHINE OF THE ACADEMY OF SCIENCES OF THE U.S.S.R. JACM563 129
LEE-WHITING, G. E. FORMULAS FOR COMPUTING INCOMPLETE ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KINDS JACM632 126
LEE, C. Y. CATEGORIZING AUTOMATA BY W-MACHINE PROGRAMS JACM613 384
LEHMER, D. H. A MACHINE METHOD FOR SOLVING POLYNOMIAL EQUATIONS JACM612 151
LEHMER, DERRICK H. SORTING CARDS WITH RESPECT TO A MODULUS JACM571 41
LEHMER, EMMA ON THE COMPUTATION OF THE NUMBER OF SOLUTIONS OF CERTAIN TRINOMIAL CONGRUENCES JACM574 505
LEICHNER, GENE H. DESIGNING COMPUTER CIRCUITS WITH A COMPUTER JACM572 143
LEINER, A. L. A SYSTEM FOR GENERATING 'PRONOUNCEABLE' NAMES USING A COMPUTER JACM611 97
LEINER, A. L. PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
LEINER, ALAN L. SYSTEM SPECIFICATIONS FOR THE DYSEAC JACM542 57
LESER, TADEUSZ AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION JACM581 89
LESH, F. METHODS OF SIMULATING A DIFFERENTIAL ANALYZER ON A DIGITAL COMPUTER JACM583 281
LEVINE, NORMAN ON THE 'BEST' AND 'LEAST QTH' APPROXIMATION OF AN OVERDETERMINED SYSTEM OF LINEAR EQUATION JACM573 341
LI, SHU-T'IEN ORIGIN AND DEVELOPMENT OF THE CHINESE ABACUS JACM591 102
LIEBLEIN, JULIUS A GENERAL ANALYSIS OF VARIANCE SCHEME APPLICABLE TO A COMPUTER WITH A VERY LARGE MEMORY JACM594 469
LIPTON, S. AN AUTOMATIC PROGRAMMING ROUTINE FOR THE ELLIOTT 401 JACM572 151
LIPTON, S. TWO PROGRAMMING TECHNIQUES FOR ONE-PLUS-ONE ADDRESS COMPUTERS JACM573 274
LIU, C. N. A STATE VARIABLE ASSIGNMENT METHOD FOR ASYNCHRONOUS SEQUENTIAL SWITCHING CIRCUITS JACM632 209
LOBERMAN, H. FORMAL PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH JACM574 428
LOBERMAN, H. SYMBOLIC DESIGNATIONS FOR ELECTRICAL CONNECTIONS JACM574 420
LOGAN, BENJAMIN F. ANALOGUE STUDY OF ELECTRON TRAJECTORIES JACM551 28
LOMBARDI, LIONELLO MATHEMATICAL STRUCTURE OF NONARITHMETIC DATA PROCESSING PROCEDURES JACM621 136
LOMBARDI, LIONELLO SYSTEM HANDLING OF FUNCTIONAL OPERATORS JACM612 168
LOTKIN, MARK A NOTE ON THE MIDPOINT METHOD OF INTEGRATION JACM563 208
LUKE, R. C. SEMI-AUTOMATIC ALLOCATION OF DATA STORAGE FOR PACT I JACM564 299
LUKE, YUDELL L. RATIONAL APPROXIMATIONS TO THE EXPONENTIAL FUNCTION JACM571 24
MACON, NATHANIEL CONDENSATION AND LOOK-UP PROCEDURES FOR DOUBLE ENTRY TABLES JACM574 456
MACON, NATHANIEL ON THE COMPUTATION OF EXPONENTIAL AND HYPERBOLIC FUNCTIONS USING CONTINUED FRACTIONS JACM554 262
MACON, NATHANIEL ON THE GENERATION OF ERRORS IN THE DIGITAL EVALUATION OF CONTINUED FRACTIONS JACM563 199
MAEHLY, HANS J. METHODS FOR FITTING RATIONAL APPROXIMATIONS, PART I, TELESCOPING PROCEDURES FOR CONTINUED JACM602 150
MAEHLY, HANS J. METHODS FOR FITTING RATIONAL APPROXIMATIONS, PARTS II AND III JACM633 257
MARIMONT, ROSALIND B. A NEW METHOD OF CHECKING THE CONSISTENCY OF PRECEDENCE MATRICES JACM592 164
MARKOV, A. A. ON THE INVERSION COMPLEXITY OF A SYSTEM OF FUNCTIONS JACM584 331
MARON, M. E. AUTOMATIC INDEXING, AN EXPERIMENTAL INQUIRY JACM613 404
MARON, M. E. ON RELEVANCE, PROBABILISTIC INDEXING AND INFORMATION RETRIEVAL JACM603 216
MARTIN, H. G. CONCLUSIONS AFTER USING THE PACT I ADVANCED CODING TECHNIQUE JACM564 309
MASON, ROBERT M. THE DIGITAL APPROXIMATION OF CONTOURS JACM564 355

MATTSON, R. L. FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL STU JACM634 458
MCGEE, W. C. GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA PROCESSING JACM591 1
MCREYNOLDS, J. R. PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS JACM564 348

MASON, ROBERT M. THE DIGITAL APPROXIMATION OF CONTOURS JACM564 355

MATTSON, R. L. FEATURE WORD CONSTRUCTION FOR USE WITH PATTERN RECOGNITION ALGORITHMS, AN EXPERIMENTAL STU JACM634 458
MCGEE, W. C. GENERALIZATION, KEY TO SUCCESSFUL ELECTRONIC DATA PROCESSING JACM591 1
MCREYNOLDS, J. R. PREVENTION OF PROPAGATION OF MACHINE ERRORS IN LONG PROBLEMS JACM564 348
MELAHN, WESLEY S. A DESCRIPTION OF A COOPERATIVE VENTURE IN THE PRODUCTION OF AN AUTOMATIC CODING SYSTEM JACM564 266
MENDELSOHN, N. S. MATRICES ASSOCIATED WITH THE HITCHCOCK PROBLEM JACM624 409
MERCER, ROBERT J. MICRO-PROGRAMMING JACM572 157
METROPOLIS, N. UNNORMALIZED FLOATING POINT ARITHMETIC JACM593 415
MIEHLE, WILLIAM BURROUGHS TRUTH FUNCTION EVALUATOR JACM572 189
MILLER JR, ROBERT C. PRODUCING COMPUTER INSTRUCTIONS FOR THE PACT I COMPILER JACM564 288
MILLER, C. E. INTEGER PROGRAMMING FORMULATION OF TRAVELING SALESMAN PROBLEMS JACM604 326
MILNE, W. E. FIFTH-ORDER METHODS FOR THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS JACM621 64
MILNE, W. E. STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS JACM592 196
MILNE, W. E. STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS, PART II JACM601 46
MILNES, HAROLD W. BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL EQUATION JACM592 226
MILNES, HAROLD WILLIS BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL EQUATION II JACM601 37
MILNES, HAROLD WILLIS NUMERICAL SOLUTION OF THE NEUMANN AND MIXED BOUNDARY VALUE PROBLEMS BY BOUNDARY CON JACM613 336
MINKER, JACK THE DESIGN AND SIMULATION OF AN INFORMATION PROCESSING SYSTEM JACM612 260
MINNICK, ROBERT C. TSHEBYSHEFF APPROXIMATIONS FOR POWER SERIES JACM574 487
MOCK, OWEN THE SHARE 709 SYSTEM, PROGRAMMED INPUT-OUTPUT BUFFERING JACM592 145
MOCK, OWEN R. LOGICAL ORGANIZATION OF THE PACT I COMPILER JACM564 279
MORRIS, D. A GENERAL TRANSLATION PROGRAM FOR PHRASE STRUCTURE LANGUAGES JACM621 1
MORRISON, D. OPTIMAL MESH SIZE IN THE NUMERICAL INTEGRATION OF AN ORDINARY DIFFERENTIAL EQUATION JACM621 98
MORRISON, DAVID NUMERICAL QUADRATURE IN MANY DIMENSIONS JACM592 219
MORRISON, DAVID D. REMARKS ON THE UNITARY TRIANGULARIZATION OF A NONSYMMETRIC MATRIX JACM602 185
MOSHMAN, JACK THE APPLICATION OF SEQUENTIAL ESTIMATION TO COMPUTER SIMULATION AND MONTE CARLO PROCEDURES JACM584 343
MOSHMAN, JACK THE GENERATION OF PSEUDO-RANDOM NUMBERS ON A DECIMAL CALCULATOR JACM542 88
MOSHOS, GEORGE J. ANALOG INTERPOLATOR FOR AUTOMATIC CONTROL JACM552 83
MULLER, MERVIN E. A COMPARISON OF METHODS FOR GENERATING NORMAL DEVIATES ON DIGITAL COMPUTERS JACM593 376
MULLIKIN, T. W. ON THE INCREASE OF CONVERGENCE RATES OF RELAXATION PROCEDURES FOR ELLIPTIC PARTIAL DIFFER JACM601 29
MURRAY, F. J. MECHANISMS AND ROBOTS JACM552 61
MURRAY, F. J. THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES JACM591 59
NAGLER, H. AMPHISBAENIC SORTING JACM594 459
NELSON, R. J. A SORTING PROBLEM JACM622 282
NELSON, R. T. SWAC COMPUTATIONS FOR SOME M X N SCHEDULING PROBLEMS JACM574 438
NETHERWOOD, DOUGLAS B. LOGIC MATRICES AND THE TRUTH FUNCTION PROBLEM JACM593 405
NOTZ, W. A. PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
OEHMKE, ROBERT H. ON THE STRUCTURES OF AN AUTOMATON AND ITS INPUT SEMIGROUP JACM634 521
OETTINGER, ANTHONY G. ACCOUNT IDENTIFICATION FOR AUTOMATIC DATA PROCESSING JACM573 245
OLDFIELD, BRUCE G. A GENERAL SYSTEM FOR HANDLING ALPHAMERIC INFORMATION ON THE IBM 701 COMPUTER JACM563 175
OLDFIELD, BRUCE G. PRODUCING COMPUTER INSTRUCTIONS FOR THE PACT I COMPILER JACM564 288
ORMSBY, JOSEPH F. A. DESIGN OF NUMERICAL FILTERS WITH APPLICATIONS TO MISSILE DATA PROCESSING JACM613 440
ORTEGA, J. M. ON STURM SEQUENCES FOR TRIDIAGONAL MATRICES JACM603 260
OSBORNE, E. E. ON LEAST SQUARES SOLUTIONS OF LINEAR EQUATIONS JACM614 628
OSBORNE, E. E. ON PRE-CONDITIONING OF MATRICES JACM604 338
OTT, GENE DESIGN OF SEQUENTIAL MACHINES FROM THEIR REGULAR EXPRESSIONS JACM614 585
PARSONS, FRANCES L. A SIMPLE DESK-CALCULATOR METHOD FOR CHECKING BINARY RESULTS OF DIGITAL-COMPUTER ARITH JACM553 205
PARTER, SEYMOUR V. SOME COMPUTATIONAL RESULTS ON 'TWO-LINE' ITERATIVE METHODS FOR THE BIHARMONIC DIFFEREN JACM613 359
PAVLEY, RICHARD A METHOD FOR THE SOLUTION OF THE NTH BEST PATH PROBLEM JACM594 506

PERKINS, ROBERT EASIAC, A PSEUDO-COMPUTER JACM562 65
PERLEY, RICHMOND AUTOMATIC STRAIN-GAGE AND THERMOCOUPLE RECORDING ON PUNCHED CARDS JACM541 36
PETERKA, JAMES J. A METHOD FOR OBTAINING SPECIFIC VALUES OF COMPILING-PARAMETER FUNCTIONS JACM623 379
PHILLIPS, DAVID L. A TECHNIQUE FOR THE NUMERICAL SOLUTION OF CERTAIN INTEGRAL EQUATIONS OF THE FIRST KIND JACM621 84
POPE, DAVID A. MAXIMIZING FUNCTIONS OF ROTATIONS, EXPERIMENTS CONCERNING SPEED OF DIAGONALIZATION OF SYMM JACM574 459
POTTS, RENFREY B. BOUNDARY CONTRACTION SOLUTION OF LAPLACE'S DIFFERENTIAL EQUATION JACM592 226
PRATHER, RONALD COMPUTATIONAL AIDS FOR DETERMINING THE MINIMAL FORM OF A TRUTH FUNCTION JACM604 299
PRAWITZ, DAG A MECHANICAL PROOF PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC COMPUTER JACM602 102
PRAWITZ, HAKAN A MECHANICAL PROOF PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC COMPUTER JACM602 102
PULVARI, CHARLES F. MEMORY MATRIX USING FERROELECTRIC CONDENSERS AS BISTABLE ELEMENTS JACM553 169
PUTNAM, HILARY A COMPUTING PROCEDURE FOR QUANTIFICATION THEORY. JACM603 201
RABIN, MICHAEL O. WORDS IN THE HISTORY OF A TURING MACHINE WITH A FIXED INPUT JACM634 526
RABINOWITZ, PHILIP A MULTIPLE PURPOSE ORTHONORMALIZING CODE AND ITS USES JACM544 183
RADO, T. ON A COMPUTER PROGRAM FOR OBTAINING IRREDUCIBLE REPRESENTATIONS FOR TWO-LEVEL MULTIPLE INPUT-OUT JACM631 48
RALSTON, A. A FAMILY OF QUADRATURE FORMULAS WHICH ACHIEVE HIGH ACCURACY IN COMPOSITE RULES JACM593 384
RALSTON, ANTHONY ECONOMIZATION OF RATIONAL FUNCTIONS JACM633 278
RANEY, GEORGE N. SEQUENTIAL FUNCTIONS JACM582 177
REDDY, R. B. AUTOMATIC CODING FOR THE IBM 701 JACM554 253
REEVES, R. F. A KUTTA THIRD-ORDER PROCEDURE FOR SOLVING DIFFERENTIAL EQUATIONS REQUIRING MINIMUM STORAGE JACM561 22
REYNOLDS, R. R. FIFTH-ORDER METHODS FOR THE NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS JACM621 64
REYNOLDS, R. R. STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS JACM592 196
REYNOLDS, R. R. STABILITY OF A NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS, PART II JACM601 46
RICE, H. GORDON TWO FAMILIES OF LANGUAGES RELATED TO ALGOL JACM623 350
RICH, ROBERT P. A METHOD FOR FINDING ALL THE ZEROS OF F(Z) JACM634 545
RITCHIE, ROBERT W. FINITE AUTOMATA AND THE SET OF SQUARES JACM634 528
ROBINSON, J. A. THEOREM-PROVING ON THE COMPUTER JACM632 163
ROCHESTER, N. THE IBM TYPE 702, AN ELECTRONIC DATA PROCESSING MACHINE FOR BUSINESS JACM544 149
ROCK, SYBIL PROBLEMS IN ACCEPTANCE TESTING OF DIGITAL COMPUTERS JACM542 82
ROSE, ARTHUR COMPUTATIONS IN THE FIELD OF ENGINEERING CHEMISTRY JACM574 393
ROSE, G. F. OPERATIONS WHICH PRESERVE DEFINABILITY IN LANGUAGES JACM632 175
ROSE, GENE F. SOME RECURSIVELY UNSOLVABLE PROBLEMS IN ALGOL-LIKE LANGUAGES JACM631 29
ROSE, JACK CHANGING FROM ANALOG TO DIGITAL PROGRAMMING BY DIGITAL TECHNIQUES JACM601 10
ROTENBERG, A. A NEW PSEUDO-RANDOM NUMBER GENERATOR JACM601 75
ROTH, BERNARD NUMERICAL SOLUTION OF SYSTEMS OF NONLINEAR EQUATIONS JACM634 550
ROWAN, T. C. PSYCHOLOGICAL TESTS AND SELECTION OF COMPUTER PROGRAMMERS JACM573 348
ROZENBERG, D. P. A GENERALIZATION OF A THEOREM OF CARR ON ERROR BOUNDS FOR RUNGE-KUTTA PROCEDURES JACM601 57
RUBINOFF, MORRIS DIGITAL COMPUTERS FOR REAL-TIME SIMULATION JACM553 186
RUTISHAUSER, HEINZ SOME PROGRAMMING TECHNIQUES FOR THE ERMETH JACM551 1
SALTON, GERARD A NEW METHOD FOR THE PAYMENT OF BILLS AND THE TRANSFER OF CREDIT JACM602 140
SALTON, GERARD ASSOCIATIVE DOCUMENT RETRIEVAL TECHNIQUES USING BIBLIOGRAPHIC INFORMATION JACM634 440
SANGREN, W. C. CODES FOR THE CLASSICAL MEMBRANE PROBLEM JACM574 477
SANGREN, WARD C. CALCULATION OF GENERALIZED HYPERGEOMETRIC SERIES JACM544 170
SCHWARTZ, EUGENE S. A DICTIONARY FOR MINIMUM REDUNDANCY ENCODING JACM634 413
SCHWARTZ, EUGENE S. AN AUTOMATIC SEQUENCING PROCEDURE WITH APPLICATION TO PARALLEL PROGRAMMING JACM614 513
SCHWARTZ, JULES I. PACT LOOP EXPANSION JACM564 292
SCOTT, A. E. AUTOMATIC PREPARATION OF FLOW CHART LISTINGS JACM581 57
SENDERS, J. W. CORRELATION COMPUTATION ON ANALOG DEVICES JACM554 267
SHAW, HARRY A METHOD FOR FINDING ALL THE ZEROS OF F(Z) JACM634 545

SHELDON, J. W. ON THE SPECTRAL NORMS OF SEVERAL ITERATIVE PROCESSES JACM594 494
SHELL, D. L. A CHEBYCHEFF FITTING CRITERION JACM581 22
SHELL, DONALD L. THE SHARE 709 SYSTEM, A COOPERATIVE EFFORT JACM592 123

SHELDON, J. W. ON THE SPECTRAL NORMS OF SEVERAL ITERATIVE PROCESSES JACM594 494
SHELL, D. L. A CHEBYCHEFF FITTING CRITERION JACM581 22
SHELL, DONALD L. THE SHARE 709 SYSTEM, A COOPERATIVE EFFORT JACM592 123
SHENITZER, ABE CHEBYSHEV APPROXIMATION OF A CONTINUOUS FUNCTION BY A CLASS OF FUNCTIONS JACM571 30
SHEPHERDSON, J. C. COMPUTABILITY OF RECURSIVE FUNCTIONS JACM632 217
SHERMAN, BERNARD DETERMINATION OF THREE PERCENTILES OF THE OMEGA-SUB-N DISTRIBUTION FUNCTION JACM574 472
SIMMONS, ROBERT F. A COMPUTATIONAL APPROACH TO GRAMMATICAL CODING OF ENGLISH WORDS JACM633 334
SIMON, HERBERT A. EXPERIMENTS WITH A HEURISTIC COMPILER JACM634 493
SINGLETON, R. C. SORTING BY ADDRESS CALCULATION JACM563 169
SLAGLE, JAMES R. A HEURISTIC PROGRAM THAT SOLVES SYMBOLIC INTEGRATION PROBLEMS IN FRESHMAN CALCULUS JACM634 507
SMITH, D. R. MAINTAINED ACTIVITY IN NEURAL NETS JACM622 268
SMITH, HARRY J. A PROPERTY OF SEMI-DEFINITE HERMITIAN MATRICES JACM583 244
SMITH, J. E. KEITH EMPIRICAL TESTS OF AN ADDITIVE RANDOM NUMBER GENERATOR JACM594 527
SMITH, J. L. PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
SOBEL, SHELDON OSCILLATING SORT, A NEW SORT MERGING TECHNIQUE JACM623 372
SPANIER, EDWIN H. QUOTIENTS OF CONTEXT-FREE LANGUAGES JACM634 487
SPIELBERG, KURT REPRESENTATION OF POWER SERIES IN TERMS OF POLYNOMIALS, RATIONAL APPROXIMATIONS AND CONTI JACM614 613
SPITZBART, A. A CHEBYCHEFF FITTING CRITERION JACM581 22
SPONSLER, GEORGE C. ANALOGUE STUDY OF ELECTRON TRAJECTORIES JACM551 28
STARK, RICHARD H. RATES OF CONVERGENCE IN NUMERICAL SOLUTION OF THE DIFFUSION EQUATION JACM561 29
STEEL JR, T. B. PACT IA JACM571 8
STEEL JR, T. B. THE SHARE 709 SYSTEM, MACHINE IMPLEMENTATION OF SYMBOLIC PROGRAMMING JACM592 134
STEIN, MARVIN L. CHANGING FROM ANALOG TO DIGITAL PROGRAMMING BY DIGITAL TECHNIQUES JACM601 10
STEIN, P. EXPERIMENTS IN CHESS JACM572 174
STILES, H. EDMUND THE ASSOCIATION FACTOR IN INFORMATION RETRIEVAL JACM612 271
STURGIS, H. E. COMPUTABILITY OF RECURSIVE FUNCTIONS JACM632 217
SWIFT, CHARLES J. MACHINE FEATURES FOR A MORE AUTOMATIC MONITORING SYSTEM ON DIGITAL COMPUTERS JACM572 172
SWIFT, CHARLES J. THE SHARE 709 SYSTEM, PROGRAMMED INPUT-OUTPUT BUFFERING JACM592 145
TAINITER, M. ADDRESSING FOR RANDOM-ACCESS STORAGE WITH MULTIPLE BUCKET CAPACITIES JACM633 307
THOMPSON, GENE THOMAS ON BATEMAN'S METHOD FOR SOLVING LINEAR INTEGRAL EQUATIONS JACM573 314
TILLITT, H. E. INFORMATION SEARCHING WITH THE 701 CALCULATOR JACM572 131
TILLITT, HARLEY COMPUTER PROGRAMMING FOR YOUNG STUDENTS JACM584 309
TITUS, C. K. A GENERAL CARD-PROGRAM FOR THE EVALUATION OF THE INVERSE LAPLACE TRANSFORM JACM551 18
TOMPKINS, C. MAXIMIZING FUNCTIONS OF ROTATIONS, EXPERIMENTS CONCERNING SPEED OF DIAGONALIZATION OF SYMMET JACM574 459
TOTSCHEK, R. AN INVESTIGATION OF REAL-TIME SOLUTION OF THE TRANSPORTATION PROBLEM JACM612 230
TREXLER, GEORGE F. PUBLIC UTILITY CUSTOMER ACCOUNTING ON THE TYPE 650 MAGNETIC DRUM DATA PROCESSING MACHI JACM544 173
TUCKER, A. W. INTEGER PROGRAMMING FORMULATION OF TRAVELING SALESMAN PROBLEMS JACM604 326
TWOMEY, S. ON THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND BY THE INVERSION OF JACM631 97
ULAM, S. EXPERIMENTS IN CHESS JACM572 174
URETSKY, JACK L. GENERATION OF SPHERICAL BESSEL FUNCTIONS IN DIGITAL COMPUTERS JACM593 366
VACCA, ROBERTO ERRORS DUE TO OVERFLOW IN ARITHMETIC OPERATIONS PARTICULARLY AS REGARDS FINAC ELECTRONIC C JACM574 450
VALENTINE, CHARLES AN ALGORITHM FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA JACM633 283
VAN DINE, PETER AN ALGORITHM FOR MINIMAX POLYNOMIAL CURVE-FITTING OF DISCRETE DATA JACM633 283
VANDIVER, H. S. ON THE COMPUTATION OF THE NUMBER OF SOLUTIONS OF CERTAIN TRINOMIAL CONGRUENCES JACM574 505
VARGA, RICHARD S. A METHOD OF NORMALIZED BLOCK ITERATION JACM592 236
VISWANATHAN, C. R. ORGANIZATION OF A 'FIXED-PLUS-VARIABLE' STRUCTURE COMPUTER FOR COMPUTATION OF EIGENVAL JACM621 41
VLEDUTS, G. E. THE PROSPECTS FOR THE UTILIZATION OF INFORMATIONAL-LOGICAL MACHINES IN CHEMISTRY (USSR) JACM612 240
VOGHERA, NERI A MECHANICAL PROOF PROCEDURE AND ITS REALIZATION IN AN ELECTRONIC COMPUTER JACM602 102

VON HOLDT, RICHARD E. INVERSION OF TRIPLE-DIAGONAL COMPOUND MATRICES JACM621 71
VON HOLDT, RICHARD ELTON AN ITERATIVE PROCEDURE FOR THE CALCULATION OF THE EIGENVALUES AND EIGENVECTORS O JACM563 223
VON NEUMANN, J. THE JACOBI METHOD FOR REAL SYMMETRIC MATRICES JACM591 59
VOSS, J. R. A NUMERICAL METHOD FOR SOLVING CONTROL DIFFERENTIAL EQUATIONS ON DIGITAL COMPUTERS JACM601 61
WADEL, LOUIS B. AN ELECTRONIC DIFFERENTIAL ANALYZER AS A DIFFERENCE ANALYZER JACM543 128
WADEL, LOUIS B. SIMULATION OF DIGITAL FILTERS ON AN ELECTRONIC ANALOG COMPUTER JACM561 16
WADEY, W. G. FLOATING-POINT ARITHMETICS JACM602 129
WALDEN, W. EXPERIMENTS IN CHESS JACM572 174
WALSH, JOHN E. COMPUTER-FEASIBLE METHOD FOR HANDLING INCOMPLETE DATA IN REGRESSION ANALYSIS JACM612 201
WANG, HAO A VARIANT TO TURING'S THEORY OF COMPUTING MACHINES JACM571 63
WANG, HAO THE LOGIC OF AUTOMATA, PART I JACM572 193
WANG, HAO THE LOGIC OF AUTOMATA, PART II JACM573 279
WANG, HAO WORDS IN THE HISTORY OF A TURING MACHINE WITH A FIXED INPUT JACM634 526
WARD, JAMES A. THE DOWN-HILL METHOD OF SOLVING F(Z) = 0 JACM572 148
WARSHALL, STEPHEN A THEOREM ON BOOLEAN MATRICES JACM621 11
WASEL, A. D. A METHOD OF DETERMINING PLATE BENDING BY USE OF A PUNCHED-CARD MACHINE JACM543 105
WATANABE, SHIGERU 5-SYMBOL 8-STATE AND 5-SYMBOL 6-STATE UNIVERSAL TURING MACHINES JACM614 476
WEDEL, JOHN J. WIND TUNNEL DATA REDUCTION USING PAPER-TAPE STORAGE MEDIA JACM562 101
WEEG, G. P. THE STRUCTURE OF AN AUTOMATON AND ITS OPERATION-PRESERVING TRANSFORMATION GROUP JACM623 345
WEEG, GERARD P. TRUNCATION ERROR IN THE GRAEFFE ROOT-SQUARING METHOD JACM601 69
WEIL, HERSCHEL REDUCTION OF RUNS IN MULTIPARAMETER COMPUTATIONS JACM552 99
WEINBERGER, A. FORMAL PROCEDURES FOR CONNECTING TERMINALS WITH A MINIMUM TOTAL WIRE LENGTH JACM574 428
WEINBERGER, A. PILOT, A NEW MULTIPLE COMPUTER SYSTEM JACM593 313
WEINBERGER, A. SYMBOLIC DESIGNATIONS FOR ELECTRICAL CONNECTIONS JACM574 47
WEINTRAUB, SOL CUMULATIVE BINOMIAL PROBABILITIES JACM623 405
WELLS, M. EXPERIMENTS IN CHESS JACM572 174
WELTI, GEORGE R. ANALOGUE STUDY OF ELECTRON TRAJECTORIES JACM551 28
WERSAN, S. J. AN ELIMINATION METHOD FOR COMPUTING THE GENERALIZED INVERSE OF AN ARBITRARY COMPLEX MATRIX JACM634 532
WEST, GEORGE P. A SYSTEM FOR GENERAL-PURPOSE ANALOG-DIGITAL COMPUTATION JACM571 12
WILF, HERBERT S. A STABILITY CRITERION FOR NUMERICAL INTEGRATION JACM593 363
WILKINSON, J. H. ERROR ANALYSIS OF DIRECT METHODS OF MATRIX INVERSION JACM613 281
WILKINSON, J. H. STABILITY OF THE REDUCTION OF A MATRIX TO ALMOST TRIANGULAR AND TRIANGULAR FORMS BY ELEM JACM593 336
WILLIAMS, LELAND H. ALGEBRA OF POLYNOMIALS IN SEVERAL VARIABLES FOR A DIGITAL COMPUTER JACM621 29
WILLIAMS, S. B. THE ASSOCIATION FOR COMPUTING MACHINERY JACM541 1
WILLIAMS, THEODORE J. COMPUTATIONS IN THE FIELD OF ENGINEERING CHEMISTRY JACM574 393
WISEMAN, R. T. LIFE INSURANCE PREMIUM BILLING AND COMBINED OPERATIONS BY ELECTRONIC EQUIPMENT JACM541 7
WOOD, R. C. AN INVESTIGATION OF REAL-TIME SOLUTION OF THE TRANSPORTATION PROBLEM JACM612 230
WORSLEY, BEATRICE H. TRANSCODE, A SYSTEM OF AUTOMATIC CODING FOR FERUT JACM554 243
WRIGHT, JESSE B. REALIZATION OF EVENTS BY LOGICAL NETS JACM582 181
YATES, F. AN AUTOMATIC PROGRAMMING ROUTINE FOR THE ELLIOTT 401 JACM572 151
YOUDEN, W. W. A SYSTEM FOR GENERATING 'PRONOUNCEABLE' NAMES USING A COMPUTER JACM611 97
YOUDEN, W. W. INDEX TO THE JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY, VOLUMES 1-10, 1954-1963 JACM634 583
YOUNG, DAVID M. ORDVAC SOLUTIONS OF THE DIRICHLET PROBLEM JACM553 137
YOUNG, FREDERICK H. ANALYSIS OF SHIFT REGISTER COUNTERS JACM584 385
YOUNG, ROBERT L. REPORT ON EXPERIMENTS IN APPROXIMATING THE SOLUTION OF A DIFFERENTIAL EQUATION JACM561 26
ZARECHNAK, MICHAEL THREE LEVELS OF LINGUISTIC ANALYSIS IN MACHINE TRANSLATION JACM591 24
ZAROODNY, SERGE J. AYDAR, SPECIAL PURPOSE ANALOG MACHINE FOR YAW DATA REDUCTION JACM581 89
ZEMLIN, R. A. INTEGER PROGRAMMING FORMULATION OF TRAVELING SALESMAN PROBLEMS JACM604 326